



THE SWITCH IS ON

# A Homebuyer's Guide to All-Electric Living in a Newly Built Home



Sponsored by California Electric Homes Program

# Table of Contents

<b>Introduction</b> .....	1
<b>Section 1</b> .....	2
Efficiency and Comfort in Every Corner	
<b>Section 2</b> .....	5
The Heartbeat of All-Electric Homes: Tech Innovations	
<b>Section 3</b> .....	9
The Financial Blueprint of All-Electric Homes	
<b>Conclusion</b> .....	12
Envisioning the Future with Electric Brilliance	

## Introduction

# Embracing All-Electric Living

Welcome, future homeowners! Embarking on a journey to find your new nest? If you're planning for an all-electric future, you've arrived at the right destination. **The Switch Is On** has partnered with the **California Electric Homes Program** to create this handy resource to guide you through the benefits of purchasing a newly built, all-electric home. We are in the midst of a much-needed transition to a world where homes are powered by renewably sourced electricity rather than burning fossil fuels. As a homeowner, you play an essential role in our clean energy future. We're here to help you understand all-electric homes, from how they work to why they're important. We'll guide you along this journey so you feel confident purchasing a home that's not just a place to live but is a shining example of sustainable living.

## THE DAWN OF THE ALL-ELECTRIC ERA

The past decade has witnessed a transformative shift in how we illuminate, heat, and cool our homes. Renewable energy is also reshaping how we power our homes, bringing down emissions and costs. At the same time, technologies like heat pumps and induction cooktops have set new standards for efficiency and performance. Opting for an all-electric home isn't just a lifestyle choice; it's a signal of your commitment to improving your local environment. While fossil fuels like natural gas have their grip on traditional energy sources, electricity—especially from renewables—presents a pathway to a cleaner, greener future.

## Section 1

# Efficiency and Comfort in Every Corner

Buying an all-electric home is stepping into the future of residential living. Let's explore what makes these homes an impressive modern feat and a cozy and efficient place to live. It's all in the details—from building materials to technologies transforming these homes into healthy retreats.

## ADVANTAGES OF GOING ALL-ELECTRIC

### ☑ Unmatched Efficiency

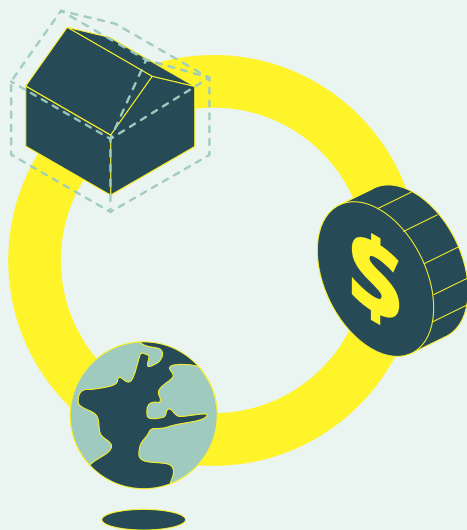
With advancements in electric appliances, LED lighting, and heating and cooling systems like heat pumps, homeowners can use the latest smart home technologies to manage energy use with the highest level of efficiency.

### ☑ Investing in the Future

The tide has turned and all-electric homes are not a passing trend but are in demand. Investing in a house built for tomorrow's energy landscape is not just smart; it's forward-thinking.

### ☑ Resilience and Reliability

Modern electric homes, equipped with solar panels and energy backup systems, are ready to withstand whatever Mother Nature (or the grid) throws their way.



## INNOVATIVE DESIGN TO MAXIMIZE QUALITY

In the world of all-electric homes, every inch and component is thoughtfully chosen to ensure the structure breathes efficiency. From the ground up, these homes are insulated like a thermos, keeping you warm in the winter and cool in the summer

### ☑ Insulation and Windows

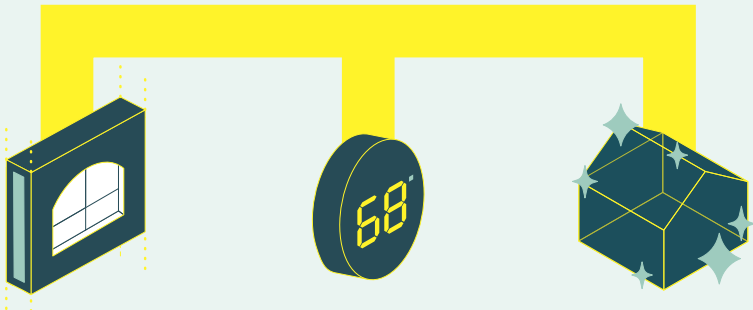
Imagine wrapping your home in a cozy blanket—this is what superior insulation does. Pair that with double—or triple-pane windows; you’ve got a fortress against energy loss that keeps your home comfortable.

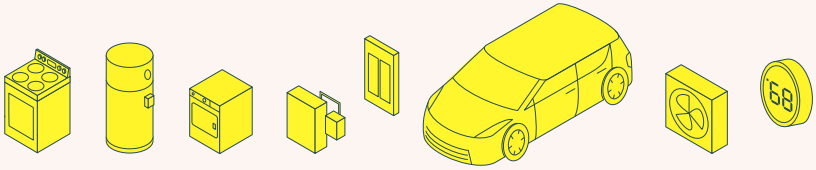
### ☑ Modern Technologies

Step into the glow with LED lighting, dial in comfort with “smart” thermostats, and stay fully charged with battery storage. Picture solar panels basking in the sun, electric vehicle chargers standing ready, temperature-controlled living spaces, and quieter appliances.

### ☑ Cleaner Indoor Air

All-electric homes provide healthier living spaces. When you choose electric appliances, you can say goodbye to the indoor pollutants common in gas-powered homes. No more worrying about carbon monoxide or other harmful byproducts of burning gas.





## Section 2

# The Heartbeat of All-Electric Homes: Tech Innovations

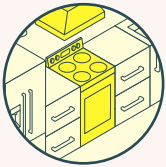
We're diving into the groundbreaking innovations that define what it means to live efficiently and sustainably. From the warmth under your feet to the sizzle in your kitchen, let's explore the technological marvels making all-electric homes the envy of the energy-efficient world. With this setup, rest assured you're doing your part protecting the environment while enjoying all the benefits of modern technology.



## **HEAT PUMPS: THE UNSUNG HEROES OF HOME COMFORT**

Heat pumps are finally gaining popularity with homeowners and are quickly becoming a go-to solution for space heating, cooling, and water heating in all-electric homes. Unlike traditional HVAC systems that generate heat by burning fossil fuels, heat pumps work by transferring heat to or from the outdoors. It's a two-for-one deal, providing warmth in the winter and cool relief in the summer. In regions experiencing the brunt of extreme weather, heat pumps maintain an even, comfortable temperature indoors with exceptional efficiency. The same energy-moving process works for heat pump water heaters, making these appliances three times more efficient than most gas-powered water heaters.

It's a game-changer for energy efficiency and reducing emissions. They're a great example of how clever design and advanced technology can team up to offer eco-friendly comfort that lasts.

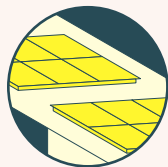


## **INDUCTION COOKTOPS: THE MAESTROS OF THE MODERN KITCHEN**

Induction cooktops are a game-changer in the world of cooking. With their unique, accurate control features, these appliances will elevate your culinary experience to new heights. Make burnt meals and undercooked food a thing of the past with speedy boiling and perfect searing capabilities. Another cool benefit of induction cooktops is that they help lower kitchen temperatures since all the heat goes directly to the pan rather than the air. Families with young children can enjoy cooking together without worrying about accidental burns from open flames or hot elements. After you've



mastered the perfect meal, cleaning up is a breeze; with easy-to-wipe ceramic glass surfaces, you'll never look back. So, if you want to create an eco-friendly kitchen, induction cooktops are the perfect choice.



### **RESIDENTIAL ROOFTOP SOLAR: SOAKING IN THE SUN'S ENERGY**

Homebuyers entering the market in California will notice that new home builders are required to install solar panels, and they've quickly gained acceptance from consumers looking to take control of their energy usage. By integrating photovoltaic (PV) panels, homeowners can take a step towards energy independence. Solar panels harness the sun's power, offering a reliable source of electricity that reduces reliance on the grid. This is a cost-effective option for homeowners and a sustainable choice that helps reduce carbon emissions. By generating clean energy, we can take a critical step toward building a more resilient and sustainable energy system for the future. Purchasing a house with solar panels and all-electric appliances is a smart investment that provides the latest and most efficient technology at your fingertips.



### **ENERGY STORAGE: YOUR HOME'S SAFETY NET**

Battery storage systems are game-changers for all-electric homes. They enable homeowners to optimize energy use by storing excess solar energy and EV charging during off peak hours. This

ability to “time-shift” energy consumption leads to cost savings and helps balance the load on the electrical grid, contributing to overall energy efficiency and stability. Battery storage systems can lower carbon emissions by enabling homeowners to use more renewable energy sources and reduce their reliance on fossil fuels. Homes with integrated battery storage help us move towards creating sustainable living environments.



### **SMART HOME TECHNOLOGIES: THE CONVENIENCE OF CONTROL**

Purchasing an all-electric home offers many benefits that elevate your everyday living experience. Induction cooktops are just the start. Modern electric dryers, water heaters, and heat pump HVAC systems bring precision and efficiency that traditional appliances can't match. Home automation offers an unparalleled living experience by combining sustainability with convenience. Your home can be just as responsive and easily accessible as a smartphone. With smart home technologies, you're the conductor of your personal energy symphony. Adjust the thermostat, dim the lights, or program to heat your water during off-peak hours, all from the palm of your hand. It's not just about the wow factor; it's about creating a home experience that is comfortable and tailored to your needs.

### Section 3

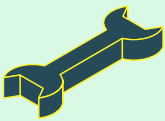
# The Financial Blueprint of All-Electric Homes

Let's talk about finances. There are many factors to consider when purchasing an all-electric home. It's not just about sustainability, innovative technology, and excellent new appliances; it's also crucial to understand the financial advantages of buying the most innovative homes on the market.



### **PURCHASING AN ALL-ELECTRIC HOME IS COST EFFECTIVE**

Imagine having a home that saves you money upfront and contributes to a more sustainable future. All-electric homes are the key to a brighter future. By eliminating the necessity of building gas pipelines, we can significantly lower construction costs, making this smart choice beneficial for both the environment and our wallets. The best part is that you only need to do it once. Purchasing an all-electric home from the beginning is far more economical than retrofitting it to be “electric-ready” for future upgrades like heat pumps.



### **OPERATIONAL AND MAINTENANCE COSTS: A LONG-TERM VIEW**

Although the benefits of all-electric homes are clear, it's also essential to consider the long-term financial savings. Over their lifespan, all-electric homes are proven to reduce energy consumption, compared to mixed-fuel homes that can only achieve a slight reduction. This efficiency benefits not only the environment but also your wallet. Reduced maintenance costs are another way homeowners save money. All-electric homes are like electric vehicles; both are innovative and just better products for consumers. The absence of mechanical components found in gas appliances means electric appliances have lower maintenance and repair costs over time.

You might be concerned about your utility bills, as electricity rates can be higher than natural gas in some areas. However, modern all-electric homes have a brilliant solution to this problem.

New construction homes in California come with renewable solar solutions. These systems can offset higher electricity costs, making your move to an all-electric home a sustainable and economically sound choice.



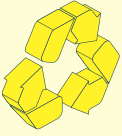
### **FUTURE-PROOFING: SMOOTHING OUT THE FINANCIAL ROAD AHEAD**

For homebuyers ready to embrace all-electric living, you should familiarize yourself with numerous incentives and on-demand programs available through your utility provider. Signing up for time-of-use programs can optimize your energy costs further, ensuring that you're using electricity at the most cost-effective times. These programs are not just about saving money but about participating in a broader shift towards smarter, more sustainable energy use. As the world leans into renewable energy and sustainability, all-electric homes are poised to quickly meet these future standards, making them a wise investment for the forward-thinking homeowner.

## Conclusion

# Envisioning the Future with Electric Brilliance

As we draw the curtains on exploring all-electric homes, we're stepping into a new chapter in new home construction. This evolution isn't just about adopting innovations; it's about wholeheartedly embracing a future where our homes reflect a commitment to sustainability, efficiency, and unmatched comfort. The all-electric home is not a concept of tomorrow but a vibrant reality today, promising various benefits that reach far beyond our individual spaces to the broader world.



## A SMART INVESTMENT FOR A GREENER FUTURE

Opting for an all-electric home is a thoughtful choice that blends lifestyle aspirations with savvy financial planning. With **reduced energy use**, and **minimized upkeep costs**, all-electric homes exemplify the importance of investing in the future. Electric technologies are the cornerstone of a modern, efficient, and sustainable home. By integrating these technologies, you can ensure that your home remains at the forefront of innovation and progress for years to come.

Picture a future where using fossil fuels in our homes seems as antiquated as heating with coal. We are on the verge of realizing such a future. The balanced combination of renewable energy sources and advanced all-electric technologies can help create a world where our homes contribute positively to our climate goals.



## EMBRACING ALL-ELECTRIC LIVING: TOWARDS A SUSTAINABLE LEGACY

When you make the leap and purchase an all-electric home, you're stepping into a remarkable example of modern, eco-friendly living. Your new home embodies a perfect blend of affordability, sustainability, and comfort, making it an attractive choice for consumers who want to showcase their eco-consciousness through their homes. Whether you're driven by a passion for the environment or the desire for a technologically advanced living space, choosing an all-electric home is a significant step towards a brighter, greener future.

Explore the growing community of innovators, builders, and residents pioneering the shift to all-electric living. Discover more at [SwitchIsOn.org](https://SwitchIsOn.org), and become part of the exciting transformation setting new standards for home living.



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