



California  
**ELECTRIC  
HOMES**



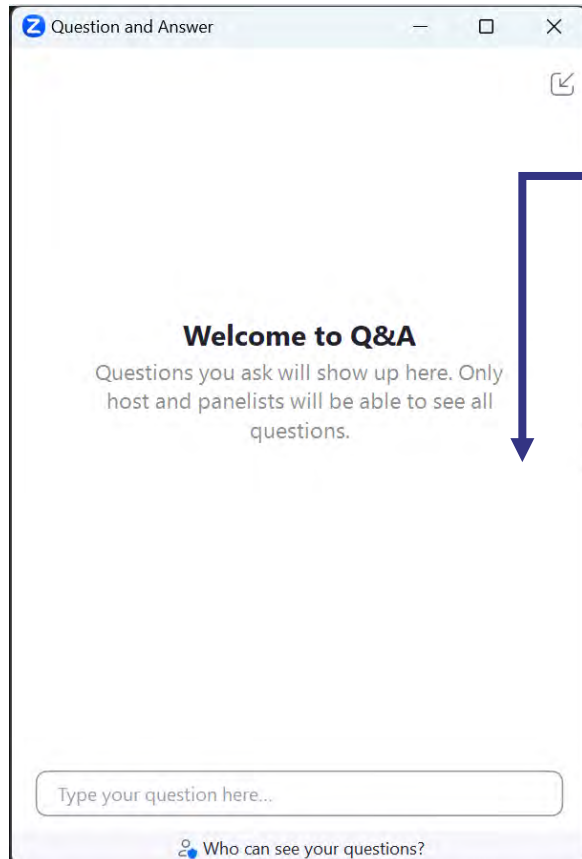
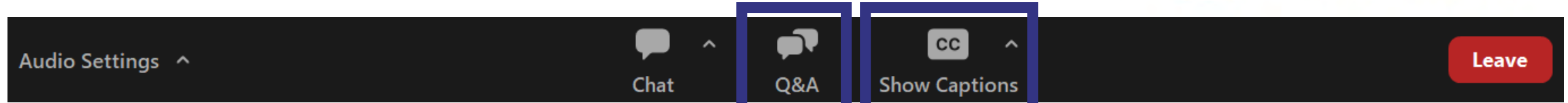
# PROGRAM LAUNCH

**June 20, 2023  
10:00 AM**

# HOW TO PARTICIPATE IN ZOOM



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**Q&A**

Enter Questions  
in Q&A window.  
Questions will  
be answered at  
the end.

**Show  
Captions**

Click "Show  
Captions" to  
enable captions  
and select arrow  
icon (^) to select  
language.

# AGENDA

- Welcome and Introductions ✓
- About CalEHP and Program Objectives
- Eligibility and Prerequisites
- Incentive and Bonus Dollars
- How to Apply
- Questions



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# ABOUT CalEHP

## Funding

- The California Electric Homes program (CalEHP) is administered by the California Energy Commission (CEC)
  - authorized by Assembly Bill (AB) 137 (Ting, Chapter 77, Statutes of 2021)
  - funds were appropriated in the Budget Act of 2021
- **\$58M total available funding** that including \$10M for energy storage
- Funds are available for projects completing through 2027
- Incentives decrease over time










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# PROGRAM PARTNERS



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	Role	Description
 <b>CALIFORNIA ENERGY COMMISSION</b>	Administrator	Program approver
	Lead Implementor	Program design, deliverables, and incentives
	Technical Assistance	Implement TA for multifamily projects
	Technical Assistance	Implement TA for electric vehicle supply equipment (EVSE) and battery storage
	Technical Assistance	Implement TA for complex engineering
	Technical Assistance	Implement TA for architectural design features
	Education & Marketing	Provide sales materials and trainings for builder staff on electric systems, equipment, and appliances. Create all-electric home finder that will be hosted on The Switch Is On website



# CALIFORNIA ELECTRIC HOMES



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**Summary:** Incentives for all-electric residential new construction market rate properties

## Eligibility:

- **Territory:** All of California
- **Building Type:** Single family, duplexes, triplexes, condominiums, low-rise and high-rise multifamily, ADUs, modular and manufactured homes
- **Income Restrictions:** Market-rate



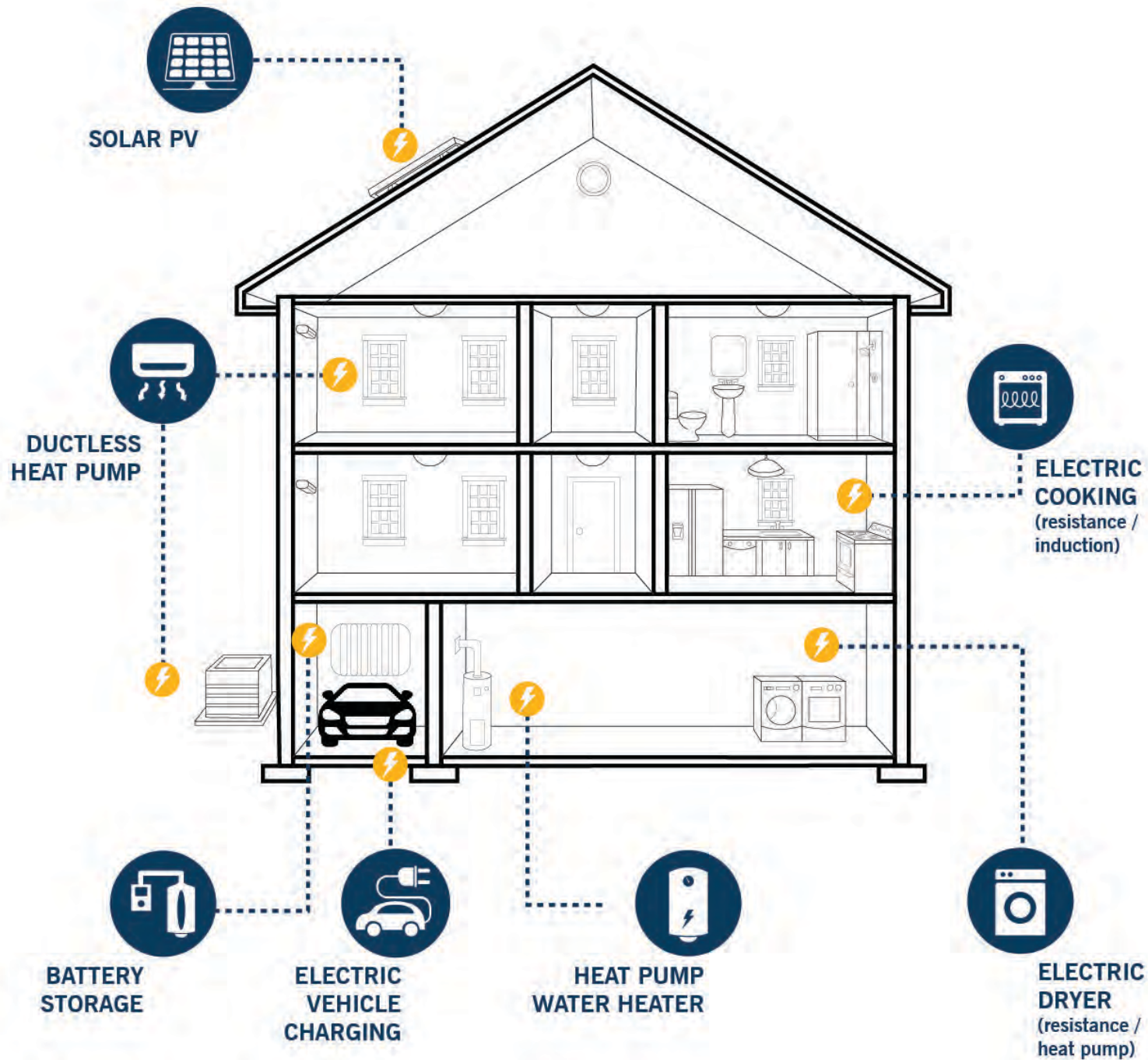
**Incentives:** Capped at \$1.5M per builder/developer (\$2M for first time all-electric builder/developers)

- **All-Electric New Construction**
- **Energy Storage**
- **Bonus Incentives:** Envelope and Mechanical packages, DAC/HTR, Load management
- **Technical Assistance**



# CaIEHP OBJECTIVES

Motivate adoption of all-electric new construction practices and prepare homes to respond to time-of-use electrical prices

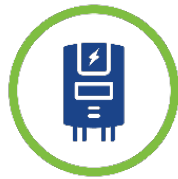


# BASE ELIGIBILITY

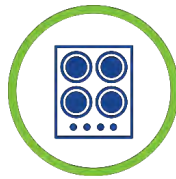
100% all-electric residential buildings and the following:



Heat Pump  
Space Heating



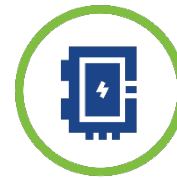
Heat Pump  
Water Heating



Induction  
Cooking



Thermostatic  
Mixing Valves



Segregated  
Circuits



Smart  
Thermostats



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# MANUFACTURED HOUSING

Requires all-electric with no primary resistance technology

## Each unit must include:

- Heat pump space and water heating
- Induction cooking
- Thermostatic mixing valve
- Smart thermostat



**Manufactured Housing units are also eligible for select bonus measures including ENERGY STAR certification**



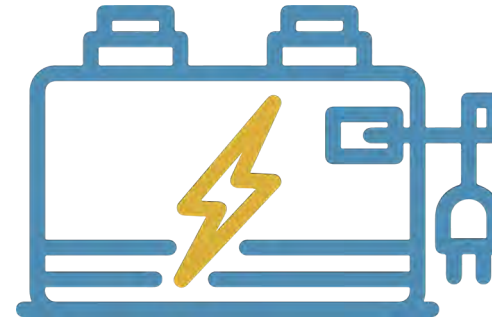
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# ENERGY STORAGE

\$10M dedicated to incentivize energy storage

## Incentives:

- \$250/kWh for battery storage
- \$300/kWh for battery storage in all-electric reach code jurisdictions
- Thermal energy storage incentives coming soon



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# BONUSES FOR PRIORITY POPULATIONS & DISADVANTAGED COMMUNITY EQUITY

## Eligible areas include:

- Census tract designated by CalEnviroScreen 4.0 to identify new construction areas with a high concentration of housing-burdened households that are not deed-restricted
- California Native American Tribal Organizations
- California Native American Lands
- Climate Investments Priority Populations
- Urban Heat Islands



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# TECHNICAL ASSISTANCE

## Examples of TA include, but are not limited to:

- Project planning
- Incentive sharing and/or layering
- Required program documentation
- Energy consultation for Title 24 compliance and energy efficiency
- Project fuel switch from mixed fuel to all-electric
- Low-emissions building design
- Low-emissions technologies
- Energy storage
- Electric vehicle service equipment
- Project-related local government all-electric building code and permit requirements
- Virtual or in-person site visits as necessary



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# BONUS MEASURES

## Envelope Package

- Prescriptive walls and attics prerequisite, a weighted average of all glazing  $\leq 0.26U$ -factor, and air sealing down to an ACH50  $\leq 3.0$

## Mechanical Package

- HVAC and water heating must meet CEE Tier 1 requirements

## Envelope + Mechanical Adder

- Additional incentive for taking both the envelope and mechanical bonuses

## Heat Pump Pool Heater

- Utilizing heat pump pool heating for multifamily properties planning pools

## Manufactured Housing

- Projects receiving ENERGY STAR certification



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# BONUS MEASURES

**Smart Panel or Hard-wired Home Energy Management System (HEMS) Installation**

**Heat Pump Water Heater Controller Installation**

**Resiliency / Demand Response Ready Adder**

- Additional incentive for including these bonus measures:
  - ✓ Envelope Package
  - ✓ Storage
  - ✓ Smart Panel or HEMS
  - ✓ HPWH Controller

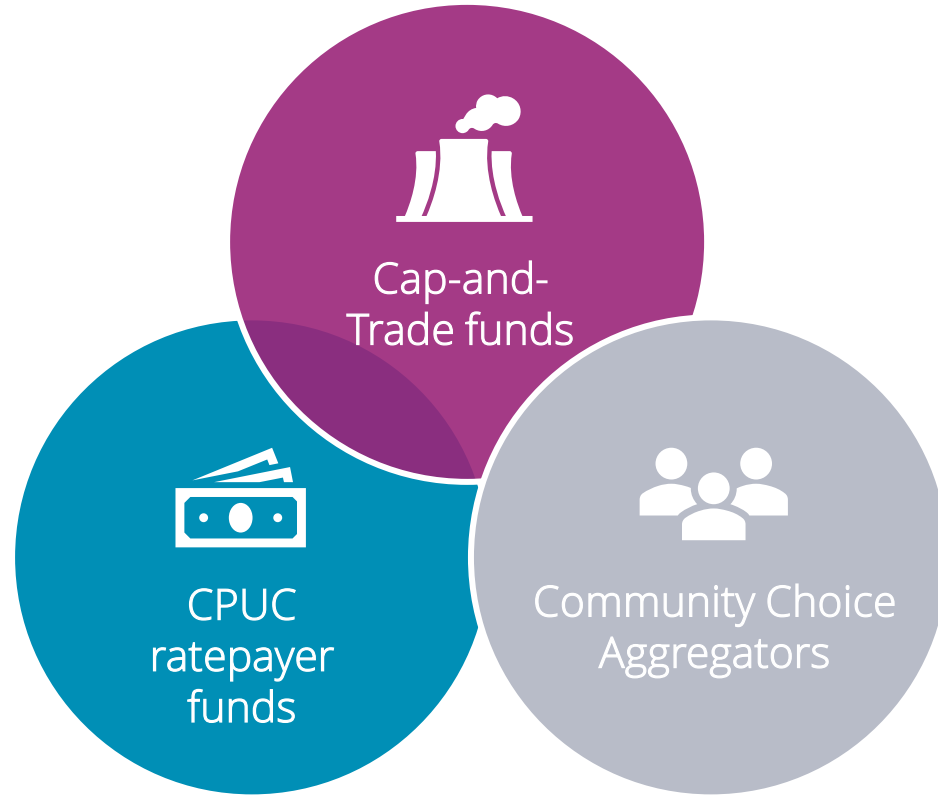


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# INCENTIVE SHARING & LAYERING

## Eligibility is based on:

- Where projects are located
- Which electric utility provider will provide service to the project



**Our team will help maximize incentives for each project through sharing and layering**



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# BASE INCENTIVES



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Incentive Levels per Participating Dwelling Unit <sup>1</sup>	2023	2024	2025	2026	2027
<b>Market Rate</b>					
SF/duplex/triplex/townhome	\$3,500	\$3,000	\$3,000	\$2,500	\$2,500
MF/condo/ADU	\$1,750	\$1,600	\$1,600	\$1,400	\$1,400
Manufactured Housing	\$6,000	\$5,500	\$5,500	\$5,000	\$5,000
<b>DAC/HTR</b>					
SF/duplex/triplex/townhome	\$4,000	\$3,500	\$3,500	\$3,000	\$3,000
MF/condo/ADU	\$2,100	\$1,950	\$1,950	\$1,750	\$1,750
Manufactured Housing	\$6,500	\$6,000	\$6,000	\$5,500	\$5,500

<sup>1</sup> Incentive level set by year the dwelling unit is completed

# BONUS MEASURE INCENTIVES



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Bonus Measure Incentives per Dwelling Unit	SF/Duplex/Triplex/Mod	MF/Condo/ADU	Manufactured Housing
Envelope Package	\$1,000	\$600	\$ -
Mechanical Package	\$300	\$300	\$2,000
Envelope + Mechanical Adder	\$400	\$250	\$ -
Smart Panel or HEMS	\$1,500	\$1,500	\$1,500
HPWH Controller	\$600	\$600	\$600
Resiliency/DR Ready Adder	\$1,000	\$750	\$1,000
Heat Pump Pool Heater <sup>1</sup>	\$ -	\$1,000	\$ -
ENERGY STAR	\$ -	\$ -	\$1,000

<sup>1</sup> Incentive is per heat pump pool heater, not dwelling units

# SUBMIT AN INTEREST FORM TODAY



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https://caelectrichomes.com



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Home

Incentives

Newsletter Sign Up

Interest Form



## California Electric Homes Program

The California Electric Homes Program provides technical assistance and financial incentives to residential developers and builders constructing new, market-rate homes with all-electric appliances and equipment. The program supports all-electric new construction practices, drives energy savings, and supports California's advanced energy efficiency policy goals.





# SUBMIT AN INTEREST FORM TODAY



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## Interest Form

Please complete the form below to be contacted by a California Electric Homes team member.

**Name** *(Required)*

First

Last

**Email** *(Required)*

**Phone** *(Required)*

**Company Name**

**Electric Utility Provider** *(Required)*

**How can the Electric Homes team help you?**

- Eligibility
- Incentives
- Sign up for program newsletter
- Other (please specify below)

**Please specify if you answered "Other" above.**

A photograph of a house under construction, overlaid with a semi-transparent yellow filter. The house features a dark exterior, a white garage door with six small windows, and a white-framed window. The foreground shows a concrete foundation and a gravel area. The word "QUESTIONS" is written in large, bold, black capital letters across the center of the image.

**QUESTIONS**



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**THANK YOU!**



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