

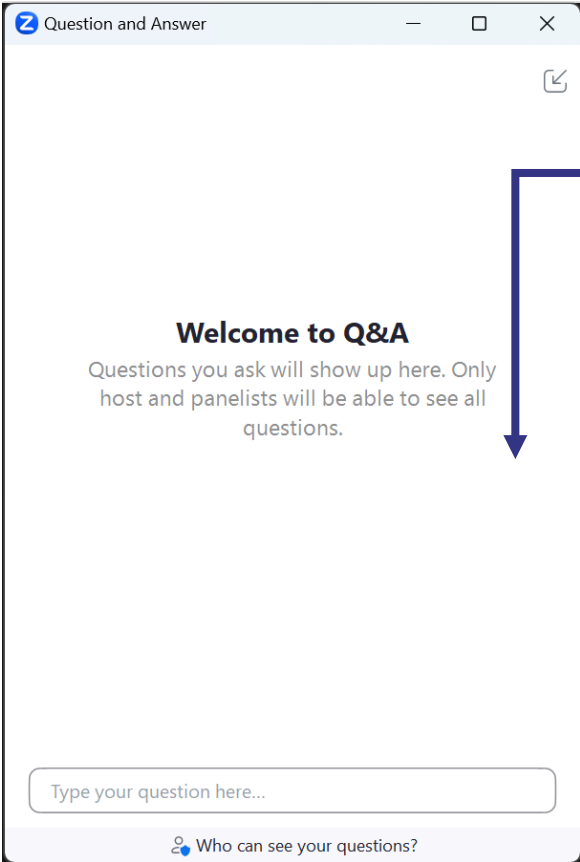
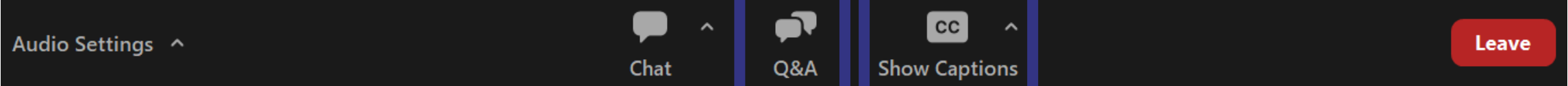


California
**ELECTRIC
HOMES**



**Unlocking
Bonus Incentives:
Maximizing Success with
Technical Assistance**

HOW TO PARTICIPATE IN ZOOM



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.

INTRODUCTIONS

Melinda Dinin

Marketing Manager

mdinin@trccompanies.com

Abe Quiroga

Technical Lead

aquiroga@trccompanies.com



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TRC'S SINGLE-FRONT-DOOR APPROACH



- TRC is a leading consulting, environmental engineering, and construction management firm.
- We implement a portfolio of residential all-electric new construction programs in California.

Core Services



Project Intake

Our team reviews each project to identify the best-fit incentive programs to **maximize funding.**



Technical Assistance

Our programs provide **no-cost technical assistance** for design and program application.



Collaboration

We collaborate with other program implementers to **help customers layer incentive opportunities.**

AGENDA

- Welcome and Introductions ✓
- About CalEHP
- Leveraging Technical Assistance
- Maximizing Bonus Incentives
- Questions



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ABOUT CalEHP

The California Electric Home Program (CalEHP) incentivizes the construction of all-electric buildings and the installation of energy storage systems and other technologies that would not otherwise be constructed or installed, as specified.

Funding

- CalEHP is administered by the California Energy Commission (CEC)
- **\$58M total available funding** that includes \$10M for energy storage
- Funds are available for projects completing through 2027



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CALIFORNIA ELECTRIC HOMES



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Eligibility: All-electric residential new construction

- **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/developer)

- **All-Electric New Construction**
- **Energy Storage**
- **Bonus Incentives:** Envelope and mechanical packages, DAC/HTR, load management

Technical Assistance





TECHNICAL ASSISTANCE

TECHNICAL ASSISTANCE

No-cost technical assistance options include:

Design/Equipment

- Project-related local government all-electric building code and permit requirements
- Title 24 compliance
- Project fuel switch from mixed fuel to all-electric
- Low-emissions building design and technologies
- Energy storage technology
- Virtual or in-person site visits as necessary

Program Processes

- Required program documentation
- Incentive sharing and/or layering



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PROGRAM PARTNERS



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Role	Role
Administrator	Program approver
Lead Implementor	Program design, deliverables, and incentives
Technical Assistance	Multifamily projects
Technical Assistance	Electric vehicle supply equipment (EVSE) and battery storage
Technical Assistance	Complex engineering
Technical Assistance	Architectural design features
Education & Marketing	Builder Content Portal to view videos and factsheets that demonstrate the benefits of all-electric homes

TECHNICAL ASSISTANCE ELIGIBILITY

Technical assistance is available at NO-COST to:

- All-electric market rate residential housing project teams
- Mixed-fuel project teams interested in making the switch to all-electric



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HOW TO REQUEST TECHNICAL ASSISTANCE

To request technical assistance:

1. Email or call your CalEHP program contact (outreach, operations, or technical associate) at any point before construction is complete.
2. Next a technical team members will schedule an intake call to confirm how we can provide technical assistance for your project(s)!



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WHO CAN REQUEST TECHNICAL ASSISTANCE

Technical assistance is available to:

Project team members who are currently enrolled in OR interested in learning more about CalEHP including:

- Residential developers
- Residential builders
- Architects
- Design teams
- Energy consultants
- HERS raters



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WHEN IS TECHNICAL ASSISTANCE AVAILABLE

When is Technical assistance available?

- From project conception to Certificate of Occupancy and all situations in between.
- Technical assistance can be utilized at any point of construction!

Design Phase: We can help your project to meet all program prerequisites and focus design on bonuses.

Construction Phase: We can help make minor changes to help the project receive some bonuses for future lots that have not yet received Certificate of Occupancy.



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RECENT TECHNICAL ASSISTANCE EXAMPLES



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What are examples of technical assistance:

- Eligibility for the program
- Maximize incentives
- Current and future Title 24 features

We can review current Title 24 and compare it to the available bonus options to see if your project can qualify for any available bonuses.

We can also show you are far out you are to receive certain bonuses.



QUICK POLL



BONUS INCENTIVES

ENVELOPE PACKAGE BONUS

Requirements:

- Title 24 Part 6 prescriptive or better walls
- Title 24 Part 6 prescriptive high-performance attic-B or better
- Weighted average of all glazing U-Factor of less than 0.26
- Air sealing of ≤ 3 ACH50 (compartmentalization testing for multifamily)



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MECHANICAL PACKAGE BONUS

Requirements:

- HVAC
 - Ducted and Non-Ducted CEE Tier 1 Requirements
15.2 SEER2 | 11.7 EER2 | 7.8 HSPF2
 - Packaged unit CEE Tier 1 Requirements
15.2 SEER2 | 10.6 EER2 | 7.2 HSPF2
- Water Heating
 - Heat pump water heating unit minimum efficiency - 3.3 UEF



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ENVELOPE & MECHANICAL BONUS

Additional bonus incentives are available for projects meeting both the Envelope and Mechanical package requirements!



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SMART PANEL OR HARD-WIRED HOME ENERGY MANAGEMENT SYSTEM (HEMS) BONUS

Smart Panel or HEMS Installation must include:

- Ability to measure the electrical usage at each circuit load
- Ability to control the usage by turning the electric usage on or off from a mobile device
- Can integrate critical load management and backup power integration



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HEAT PUMP WATER HEATER CONTROLLER BONUS

Requirements:

- Install a demand response communications port with grid connectivity (eco port)
- OR**
- Install a NEEA Rated Tier 3 or greater heat pump water heating unit with an integrated controller



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HEAT PUMP POOL HEATER BONUS

Requirements:

- Install heat pump pool heating for properties planning pools



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ENERGY STAR® BONUS FOR MANUFACTURED HOMES

Requirements:

- Purchase an all-electric manufactured home with ENERGY STAR® certification
- Install the new all-electric ENERGY STAR® certified manufactured home with no gas connection to the home or the site



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RESILIENCY/DEMAND RESPONSE BONUS

Projects installing all of the bonus options listed below will receive an additional per unit bonus incentive!

- Envelope package*
- Energy storage
- Smart panel or HEMS
- Heat Pump Water Heater controller

* *Not required for manufactured housing*



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BONUS INCENTIVES



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Bonus Incentives per Dwelling Unit	Single Family/Duplex/Triplex/Townhome	Multifamily/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
ENERGY STAR	\$ -	\$ -	\$1,000
Heat Pump Pool Heater	\$ -	\$1,000	\$ -



Projects located in jurisdictions with active all-electric reach codes or ordinances prohibiting natural gas infrastructure for residential new construction **are eligible** for battery storage and bonus incentives.

CALIFORNIA ELECTRIC HOMES RESOURCES



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Contact us:

- (833) 987-3935
- caelectrichomes@trccompanies.com
- caelectrichomes.com

A photograph of a new house under construction, featuring a dark blue exterior, a white garage door, and a white front door. The house is set on a sloping lot with a concrete driveway and a gravel area in the foreground. The entire image is overlaid with a semi-transparent yellow filter. The word "QUESTIONS" is written in large, bold, blue capital letters across the center of the image.

QUESTIONS