

DOCKETED

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Docketed Date:	6/16/2023

California Energy Commission Regional Community Workshop: Equitable Building Decarbonization Direct Install Program

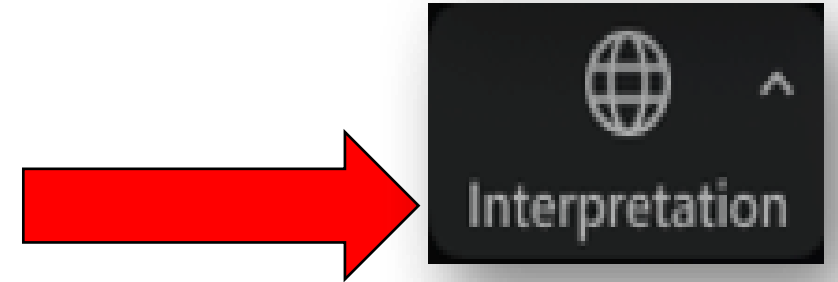
Santa Rosa, June 12, 2023



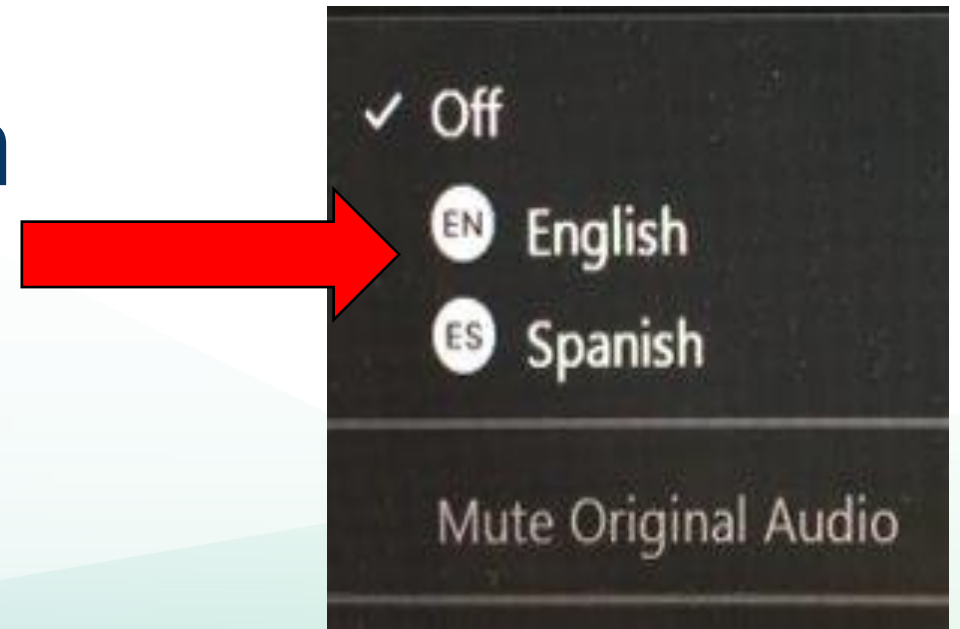


Steps to Select English Channel

1) Click “Interpretation” icon



2) Click “EN English” option

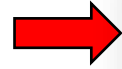


3) **DO NOT** select "Mute Original Audio"



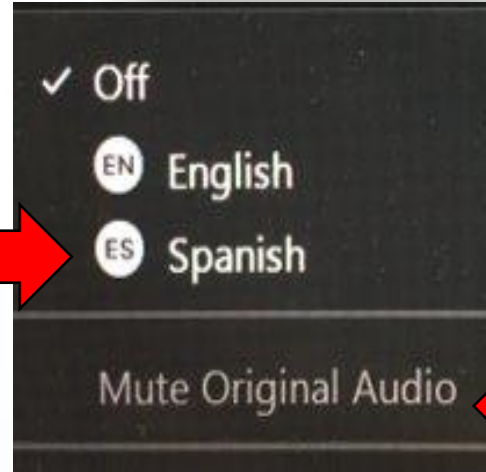
Interpretation / Interpretación

1) Click globe “Interpretation” icon.



2) Click “ES Spanish” option

3) Click “Mute Original Audio”



1) Haga clic en el icono del globo de interpretación

2) Haga clic donde dice “ES Spanish”

3) Haga clic en “Mute Original Audio”

NOTE: To access interpretation, download Zoom application on your device. Interpreter will relate everything from English to Spanish during meeting and will inform you when to make public comment. Speak in Spanish and interpreter will relate comments to English.

NOTA: Para utilizar la función de interpretación, descargue la aplicación Zoom en su aparato. El intérprete relacionará todo lo dicho en inglés al español durante la junta y le informará cuándo podrá hacer un comentario público. Hable en español y el intérprete relatará sus comentarios en inglés.



Instructions / Instrucciones

- Meeting is conducted with in person locations and remotely via Zoom
 - Recorded and transcribed by court reporter
 - To participate in public comment
 - By computer: use the “raise hand” feature in Zoom
 - By telephone: dial *9 to “raise hand” and *6 to mute/unmute your phone line
 - Questions and Comments can be entered in the Q&A section of the Zoom application
- Reunión realizada de manera presencial y remota a través de Zoom
 - Grabada y transcrita por un taquígrafo judicial
 - Para participar en los comentarios públicos
 - Por computadora: use la función de “levantar la mano” de Zoom
 - Por teléfono: marque *9 para “levantar la mano” y *6 para silenciar y activar el sonido
 - Haga sus preguntas o comentarios a través de la función de preguntas y respuestas



Goal of Regional Workshops

Seek input and regional perspective on:

- Design of Equitable Building Decarbonization Program
 - Program Guidelines
 - Criteria and services to consider
 - Collaboration with local initiatives
- Needs and challenges of various communities and residents across the state
- Approaches for meaningful engagement



Agenda

- 1:00 Welcome
- 1:30 Presentations
 - State Equitable Building Decarbonization Program
 - Federal Inflation Reduction Act residential energy programs
 - Locally available energy efficiency and electrification programs
- 2:30 Roundtable discussion on energy-related local community needs and challenges
- 3:00 Questions and answers
- 3:30 Public comments
- 4:00 Adjourn



Policy Drivers

**Carbon-free
economy by 2045**

**100% renewable
and carbon-free
electricity by 2045**

**Reduce GHG
emissions 40%
below 1990 by
2030**

**Double energy
efficiency savings
by 2030**

**Provide equitable
low-carbon
solutions for
underresourced
communities**

**Electrify
transportation and
decarbonize fuels**



Focus on Existing Buildings and Equity

- Billions of dollars needed to reduce GHG emissions by 2030
- 5 million low-income households in California and 10 million people living in a disadvantaged community
- Focus on existing buildings should prioritize equity at its core
- 6 million heat pumps in CA by 2030



Residential Units

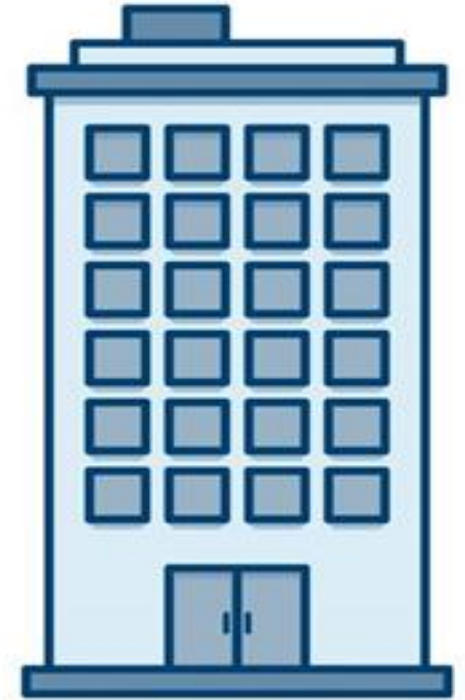
13.7 million

Annual Electricity Consumption

93,522 GWh

Annual Gas Consumption

4,562 MM therm



Commercial Space

7,392 million sq. ft.

Annual Electricity Consumption

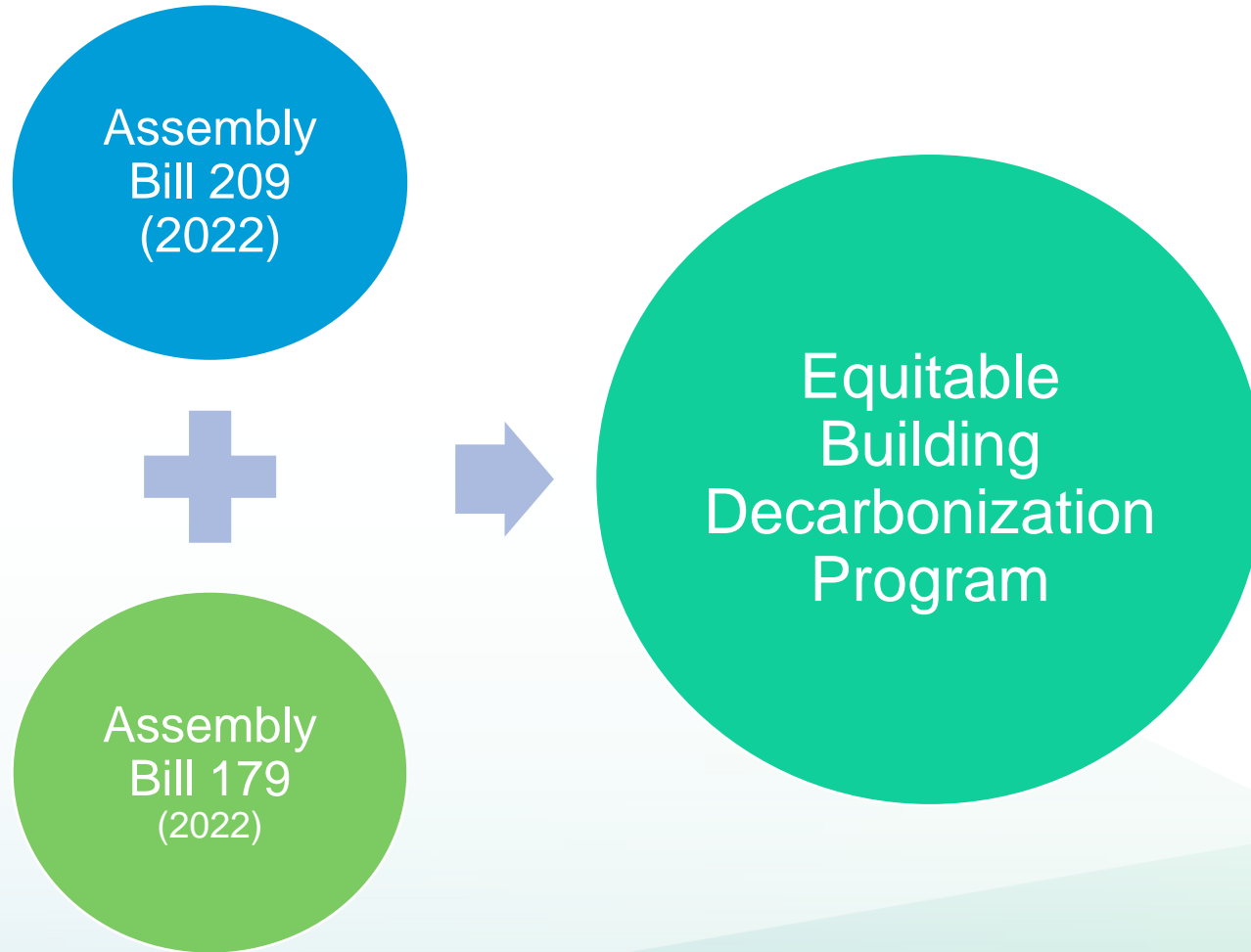
105,174 GWh

Annual Gas Consumption

2,130 MM therm

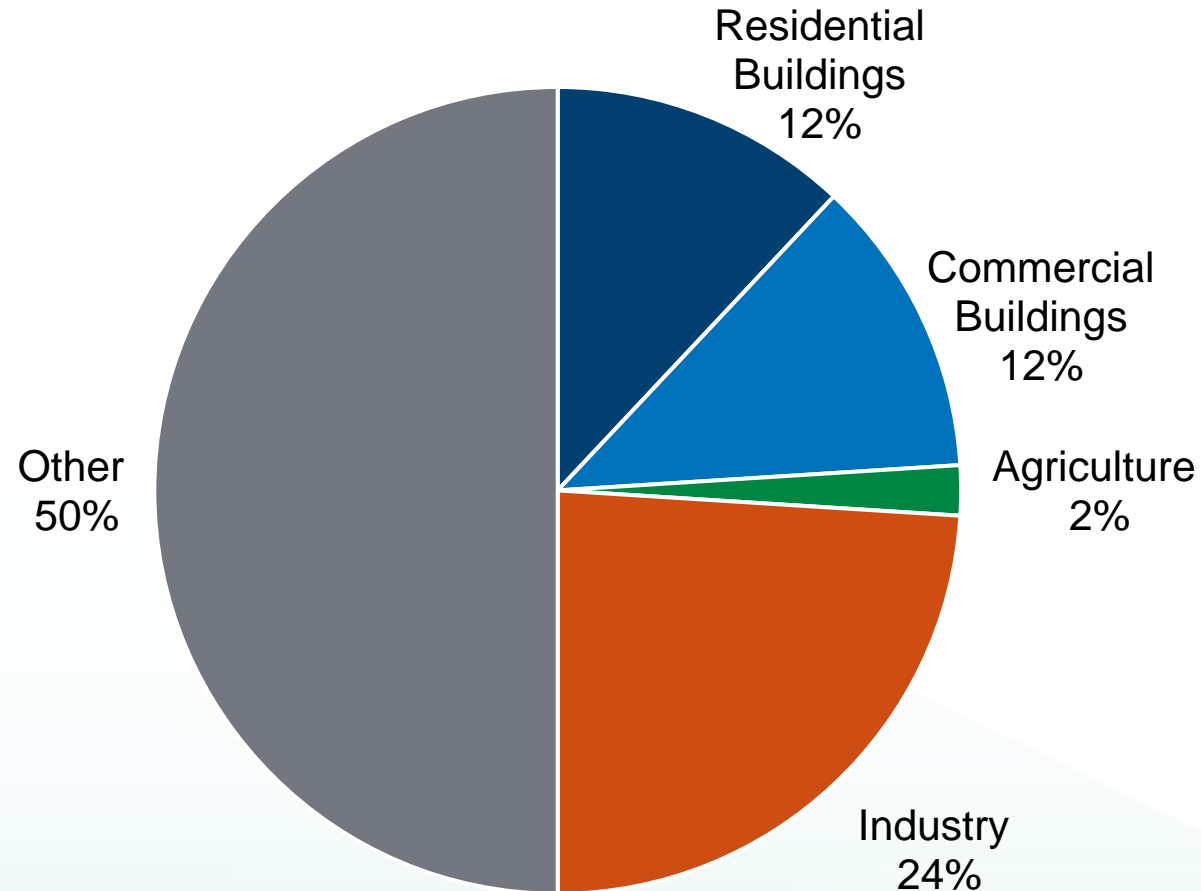


Equitable Building Decarbonization Program





California's Greenhouse Gas Emissions



Includes fuel, refrigerant, and electricity use by sector.
Source: 2021 Integrated Energy Policy Report.



Timeline for Direct Install Program

Date	Milestone
9/6/2022	AB 209 and AB 179 signed
12/9/2022	Request for Information released
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1/20/2023	Deadline for public comments (extended at stakeholder request)
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Overview of Draft Guidelines





Program Goals

Reduce
Greenhouse Gas
Emissions

Advance Energy
Equity

Improve Resiliency
to Extreme Heat

Improve Indoor Air
Quality

Improve Energy
Affordability

Support Grid
Reliability

Support Local
Workforce

Support 6 Million
Heat Pump Goal

Support Climate-
Ready and Climate-
Friendly Homes
Goals



Proposed Program Components

Statewide
Direct
Install
Program

Tribal
Direct
Install
Program

Support
for
Existing
Programs

Statewide
Incentive
Program



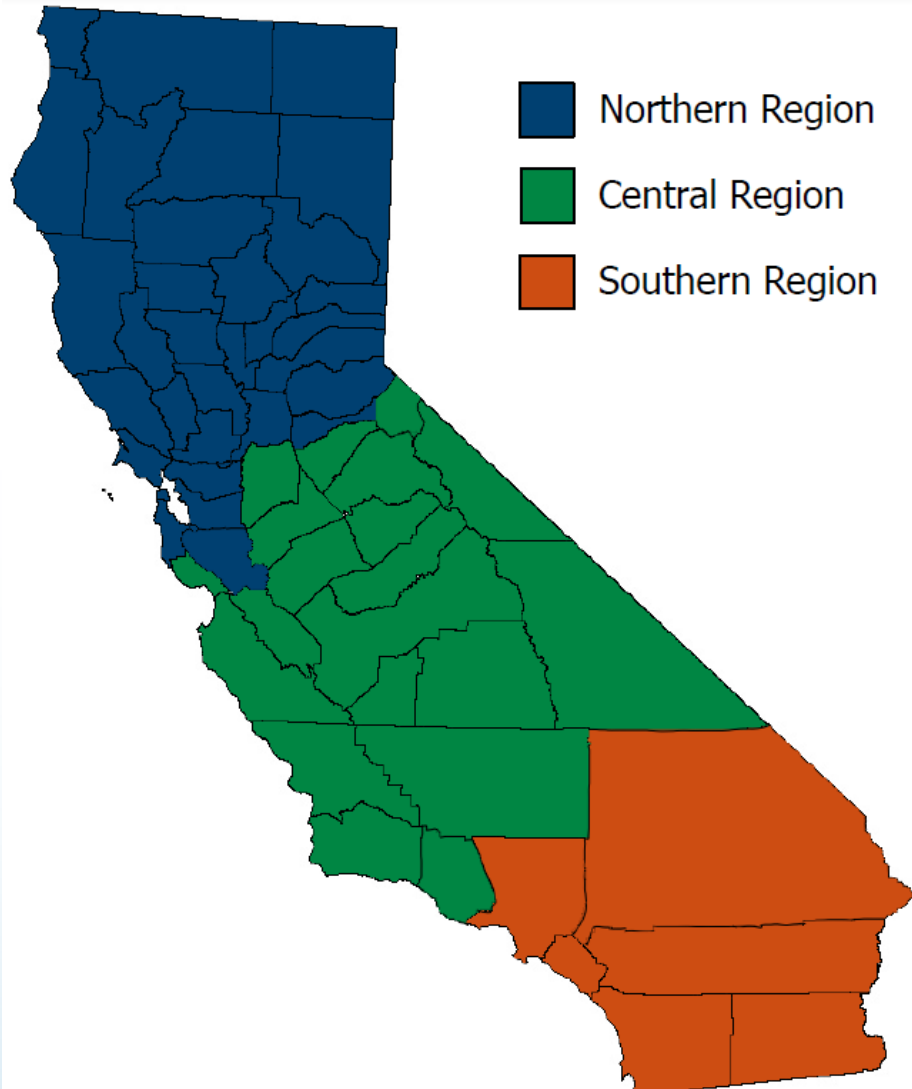
Proposed Budget Breakdown

Program Investments	Estimated Funding over Program Lifetime
Statewide Direct Install Program, including 5% set-aside for manufactured housing	\$643,700,000
Tribal Direct Install Program	\$30,000,000
Support for Existing Programs	\$30,000,000
Statewide Incentive Program	\$80,000,000
Total*	\$783,700,000

* Does not include program administration and technical assistance, which may represent up to 15% of total program funds.



Statewide Direct Install Program: Regional Funding Allocation



Region	Population of Underresourced Communities	Percentage of Statewide Direct Install Program Funds
Northern	5.3 million	23%
Central	4.3 million	19%
Southern	13.6 million	58%
Total	23.2 million	100%



Statewide Direct Install Program: Community Eligibility and Initial Focus Areas

- All households served by the program must be in an **underresourced community**
- Program implementation to occur at the **community level**
- **Initial focus areas** to be identified for first phase of the program based on specified criteria



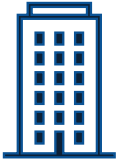


Statewide Direct Install Program: Eligibility



Eligible Buildings - Residential

- Single-family homes
- Multifamily buildings
- Manufactured and mobile homes



Eligible Fuel Types

- To be eligible, buildings must use natural gas, propane, or another fossil fuel as the primary fuel for space heating or water heating

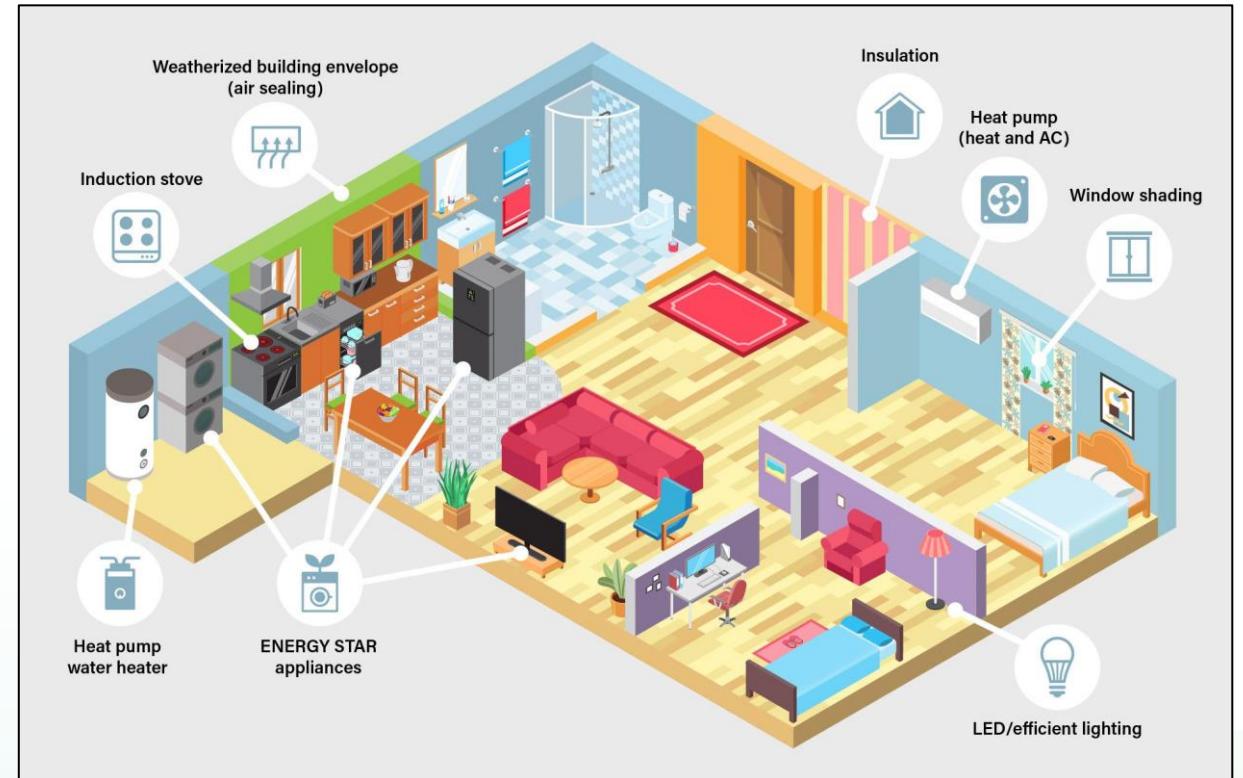
Income Eligibility

- Single family: Occupied by low-income or moderate-income households
- Multifamily: At least 66 percent of households are low-income, or rent for at least 66 percent of units are affordable to low-income households.



Statewide Direct Install Program: Eligible Measures

- Heating, Cooling, and Building Envelope
 - Heat pump for space heating and cooling
 - Duct testing/sealing
 - Smart thermostat
 - Ceiling fan, whole-house fan
 - Air sealing, insulation
- Water Heating
 - Heat pump water heater
 - Low-flow showerheads and faucets
- Cooking: Induction range or cooktop
- Laundry: Electric clothes dryer
- Lighting: LED lights
- Air Quality: Efficient air filters
- Electrical wiring and panel upsizing
- Remediation



Source: ACEEE

} Subject to cost caps



Tenant Protection



Tenant Information

- Information about project and tenants' rights to be provided in the predominant languages spoken in community

Temporary Displacement

- Projects should be designed to avoid/reduce temporary displacement
- If temporary displacement is needed, tenants have right to return to same unit

Eviction

- Property owner must commit not to evict tenant without just cause

Rent Increases

- Property owner must commit not to increase rent as a result of improvements funded by program



Workforce Standards and Requirements

Prevailing Wage

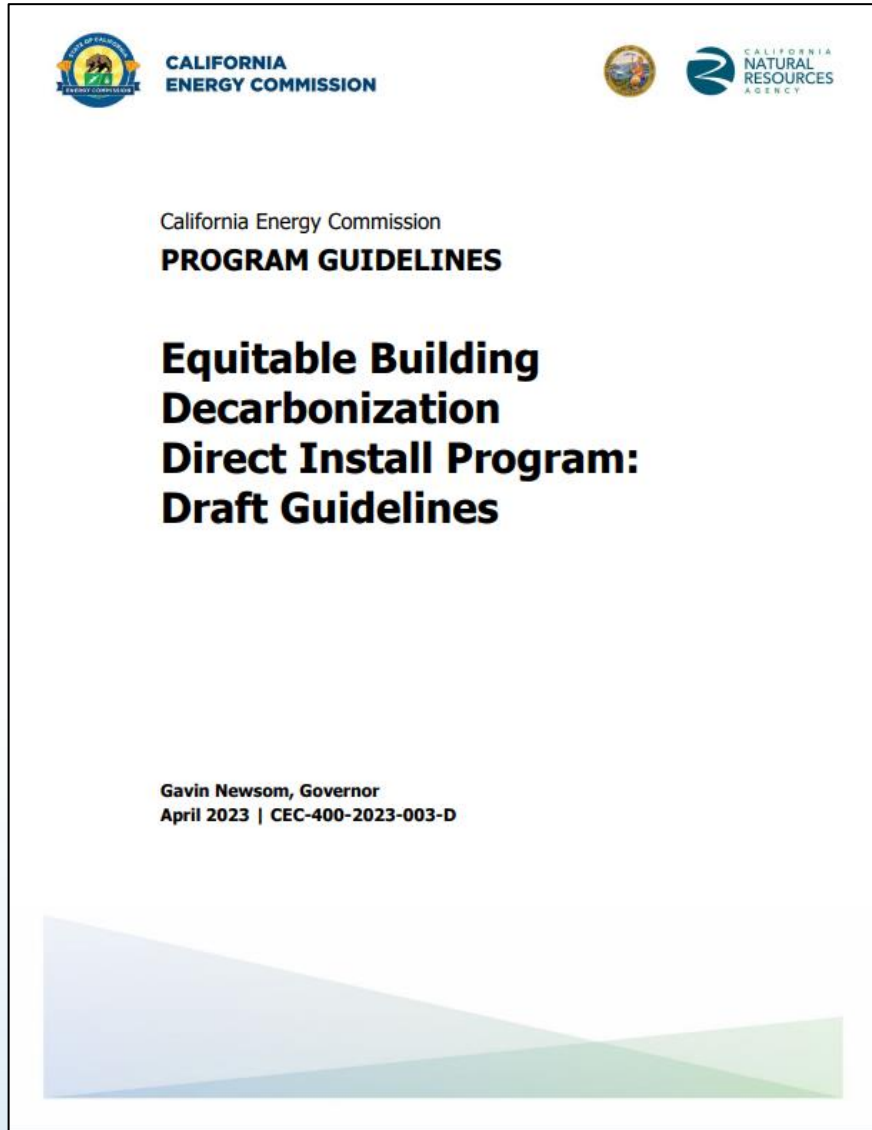
- Administrators should assume prevailing wage requirements in California Labor Code apply
- Administrators are responsible for ensuring subcontractor compliance

Administrators to develop **Workforce Plans** that address:

- Preference for local contractors and contractors that met specified criteria
- Training opportunities for contractors and workers
- Bundling of projects



More Information



<https://www.energy.ca.gov/publications/2023/equitable-building-decarbonization-direct-install-program-draft-guidelines>



Federal Inflation Reduction Act Residential Energy Rebates

IRA Residential Rebate Funding for California

Homeowner Managing Energy Savings HOMES	High Efficiency Electric Home Rebate Program HEEHRA	Total Allocation Amount for California
\$292M	+ \$290M	= \$582M

IRA HOMES and HEEHRA Programs

HOMES Efficiency \$292 million	HEEHRA Electrification \$290 million
<p>Whole-house performance-based rebates</p> <ul style="list-style-type: none">• Eligible applicants: Homeowners or aggregators• For single-family homes, program specifies whether modeled or measured energy savings will be required based on amount of energy savings• Multifamily buildings with 50% or more of dwelling units occupied by LMI households• Rebates based on measured energy savings• Rebates up to \$8,000	<p>Point-of-sale rebates</p> <ul style="list-style-type: none">• Eligible applicants: LMI households, owners of eligible LMI multifamily buildings, and a governmental, commercial, or nonprofit entity carrying out a project for LMI household or LMI multifamily building owner• Project must include purchase and installation of one or more specified items and meet program requirements• Items must be ENERGY STAR® certified, if applicable• Rebates up to \$14,000

California HOMES and HEEHRA Timetable

Anticipated Date	Activity
Ongoing	Data gathering, outreach & local coordination
March 2023	Response to U.S. DOE Request for Information
Summer 2023	U.S. DOE Guidance Published
2023/2024	CEC Workshops & Program Development
Winter 2024	U.S. DOE awards funding
2024	Programs Launch – Funds to Public



Other Residential Energy Incentive Programs in Your Region



Sonoma Clean Power

Programs and Education



Education

to Accelerate Building Efficiency & Fuel-switching

1. Residents, Businesses, Students

- Advanced Energy Center
- Induction Lending
- SCP Electrify

2. Workforce Development

- Classes, Events
- Support
- Sponsorships



741 4th Street, Santa Rosa

www.scpadvancedenergycenter.org





Programs

to Accelerate Building Efficiency & Fuel-switching

- ❖ Fuel-switching rebates through CEC Lead Locally grant
 - Appx. 700 rebates provided to residential customers
- ❖ 0% interest loans up to \$10,000
 - 165 loans provided
- ❖ BayREN multi-family panel upgrades
- ❖ Pay-for-performance energy efficiency program (FLEXmarket)



Thank you!

Call or email:

1 (707) 871-0571 | fsmith@sonomacleanpower.org





Roundtable Discussion

Q&A

Public Comments



Roundtable Discussion

Share regional challenges related to clean energy and healthy homes

Program will be implemented in phases, where should it start? What criteria should be used to identify initial communities? Is there a specific selection process recommended?

What tenant protections should be included in program?
What local organizations work with tenant protections?

Are existing contractors | workforce in the region familiar with installing heat-pumps and other all-electric equipment?

Who should CEC partner with in this region? Do existing programs pay for deferred maintenance costs?

What types of services should program implementers (and CBOs) provide?

What should CEC know about your community's needs?



Q&A

Instruction

- 3 minutes or less per person
- 1 representative per organization

In-person

- Raise your hand and we will pass the mic

Zoom App/Online

- Click “raise hand”

Telephone

- Press *9 to raise hand
- Press *6 to (un)mute

When called upon

- Zoom Hosts will open your line
- Unmute, spell name, state affiliation, if any for the record, then begin your comment.

For Phone Participation: Dial (669) 900-6833 or (888) 475-4499 Enter Webinar ID: 820 5851 8489



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Written Comments:

- Visit [Equitable Building Decarbonization Program | California Energy Commission](#)
- Click on [California Energy Commission : e-comment : Submit Comment](#)

3-MINUTE TIMER





Next Steps





Public Workshops and Listening Sessions

Date	Location	Focus
June 6, 2023	San Francisco	Regional Workshop
June 9, 2023	Los Angeles	Regional Workshop
June 12, 2023	Santa Rosa	Regional Workshop
June 15, 2023	Indio	Regional Workshop
June 23, 2023	Fresno	Regional Workshop
June 10, 2023	Online (Weekend)	Expanded Community Feedback Opportunity
June 21, 2023	Online (Evening)	Expanded Community Feedback Opportunity



Empower Innovation



COMMUNITY EVENTS
FUNDING RESOURCES

SIGN UP

LOGIN

EN



EQUITABLE BUILDING DECARBONIZATION PROGRAM

< ALL FUNDING OPPORTUNITIES

Source: [Empower Innovation](https://www.empowerinnovation.net/en/custom/funding/view/38760): <https://www.empowerinnovation.net/en/custom/funding/view/38760>



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We want your input!

Tell us about your experience!

Complete this short questionnaire





Comments Due by June 30, 2023 on Current Draft Guidelines

Written comments may be submitted to public docket
by 5:00 p.m. on **June 30, 2023**

Please see [notice](#) for further information:

<https://efiling.energy.ca.gov/GetDocument.aspx?tn=249981>

