

**DOCKETED**

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<b>Project Title:</b>	Equitable Building Decarbonization Program
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<b>Docketed Date:</b>	6/19/2023

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

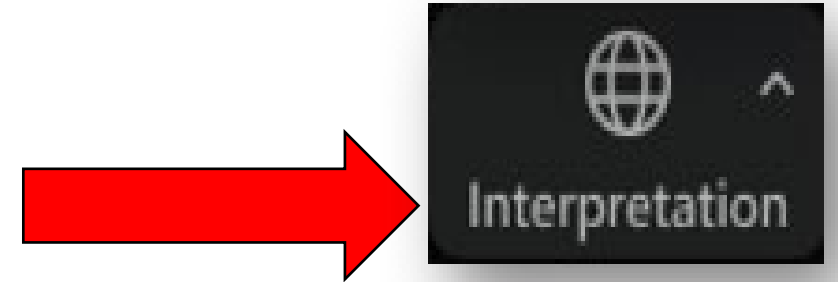
Community Feedback Virtual Meeting — Weekend, June 10, 2023



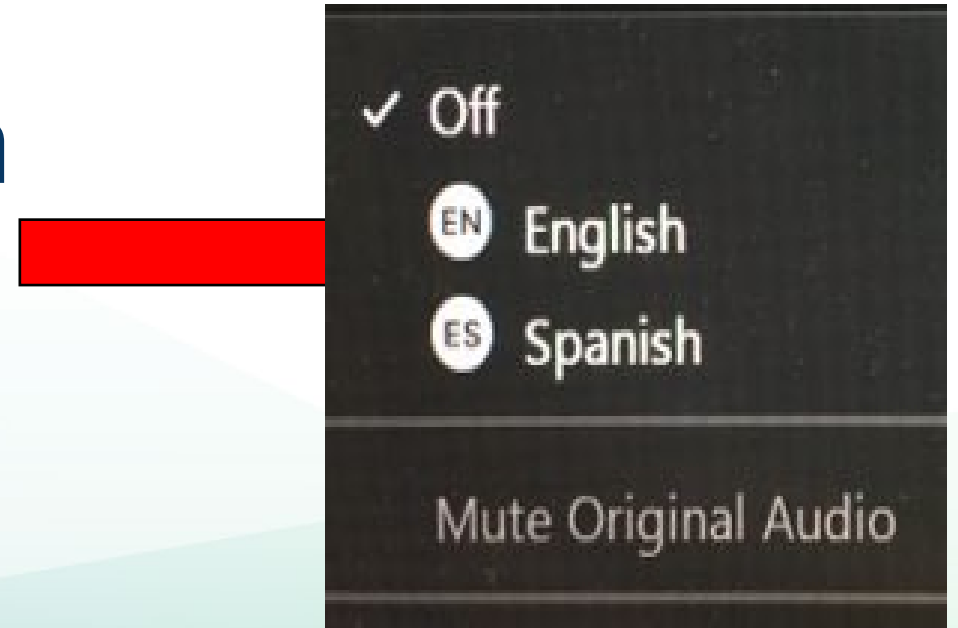


# Steps to Select English Channel

1) Click “Interpretation” icon



2) Click “EN English” option

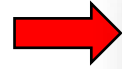


3) **DO NOT** select "Mute Original Audio"



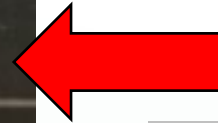
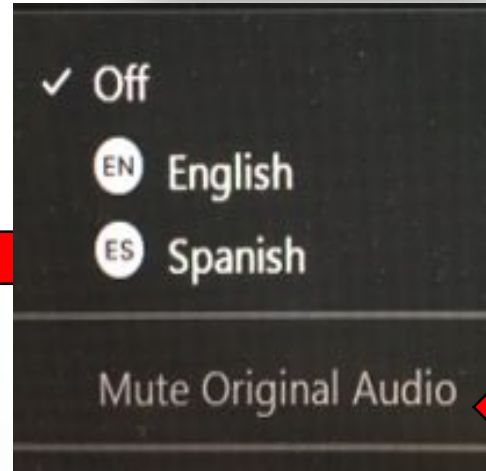
# Interpretation / Interpretación

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 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 virtual 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

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- 1:00 Welcome
- 1:10 Presentation
  - Equitable Building Decarbonization Program
- 1:20 Discussion
- 2:30 Public comments
- 3:00 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

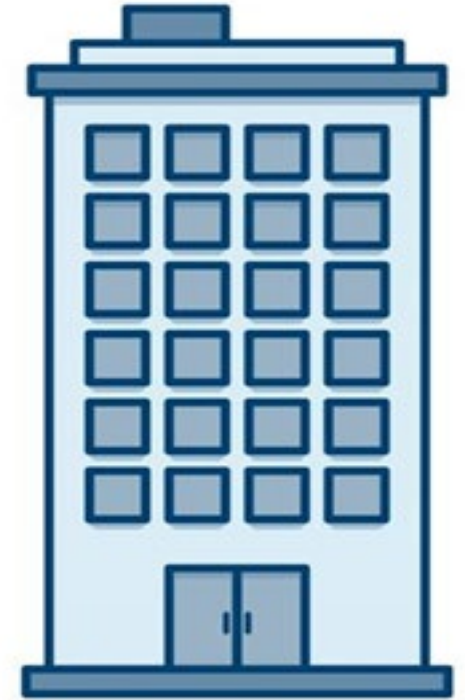
13.7 million

## Annual Electricity Consumption

93,522 GWh

## Annual Gas Consumption

4,562 MM therm



## Commercial Space

7,392 million sq. ft.

## Annual Electricity Consumption

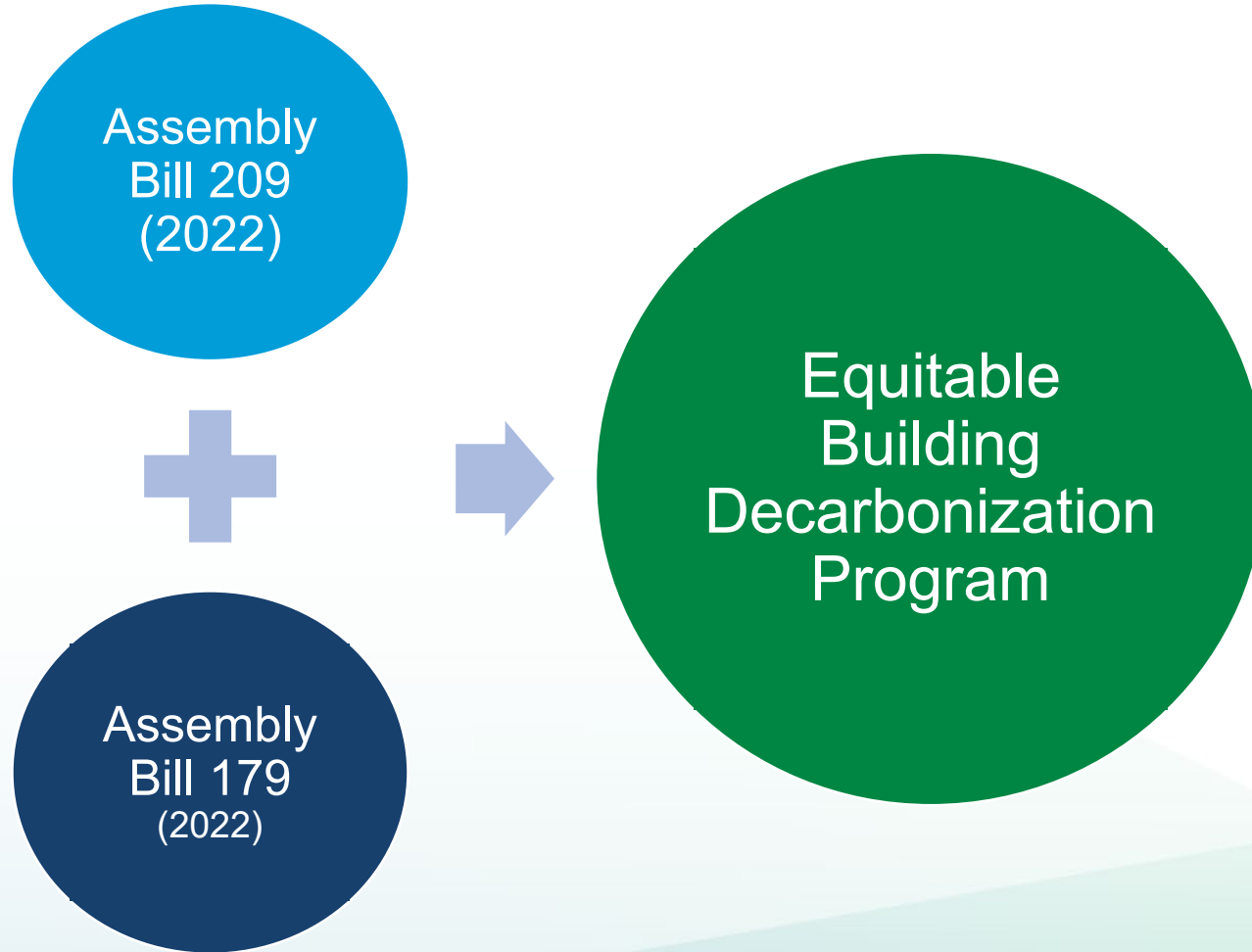
105,174 GWh

## Annual Gas Consumption

2,130 MM therm



# Equitable Building Decarbonization Program





# Timeline for Statewide Direct Install Program

Date	Milestone
9/6/2022	AB 209 and AB 179 signed
12/9/2022	Request for Information released
12/13/2022	Public workshop on program scoping
1/20/2023	Deadline for public comments (extended at stakeholder request)
Feb-April 2023	Comment review and development of draft guidelines for direct install program
5/4/2023	Release draft guidelines
★ May-June 2023	Public workshops on draft guidelines, Tribal listening sessions, comment period
6/30/2023	Deadline for public comments
Summer 2023	Staff review comments and finalize guidelines on Statewide Direct Install Program
Fall 2023	CEC adoption hearing on guidelines
Fall/Winter 2023	Direct install program administrators selected through competitive solicitation
2024-2025	Administrator ramp-up and direct install program roll-out in initial communities



# 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



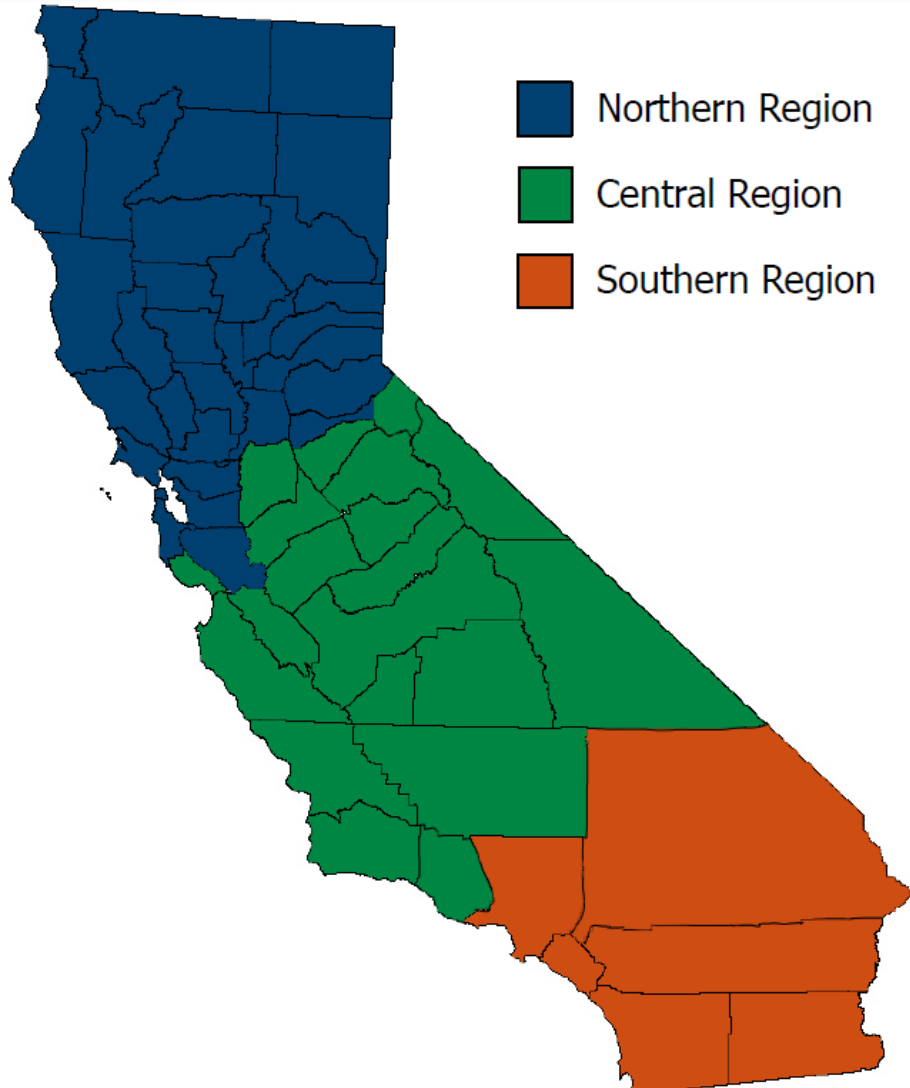
# Proposed Budget Breakdown

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
<b>Total*</b>	<b>\$783,700,000</b>

\* 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%
<b>Total</b>	<b>23.2 million</b>	<b>100%</b>





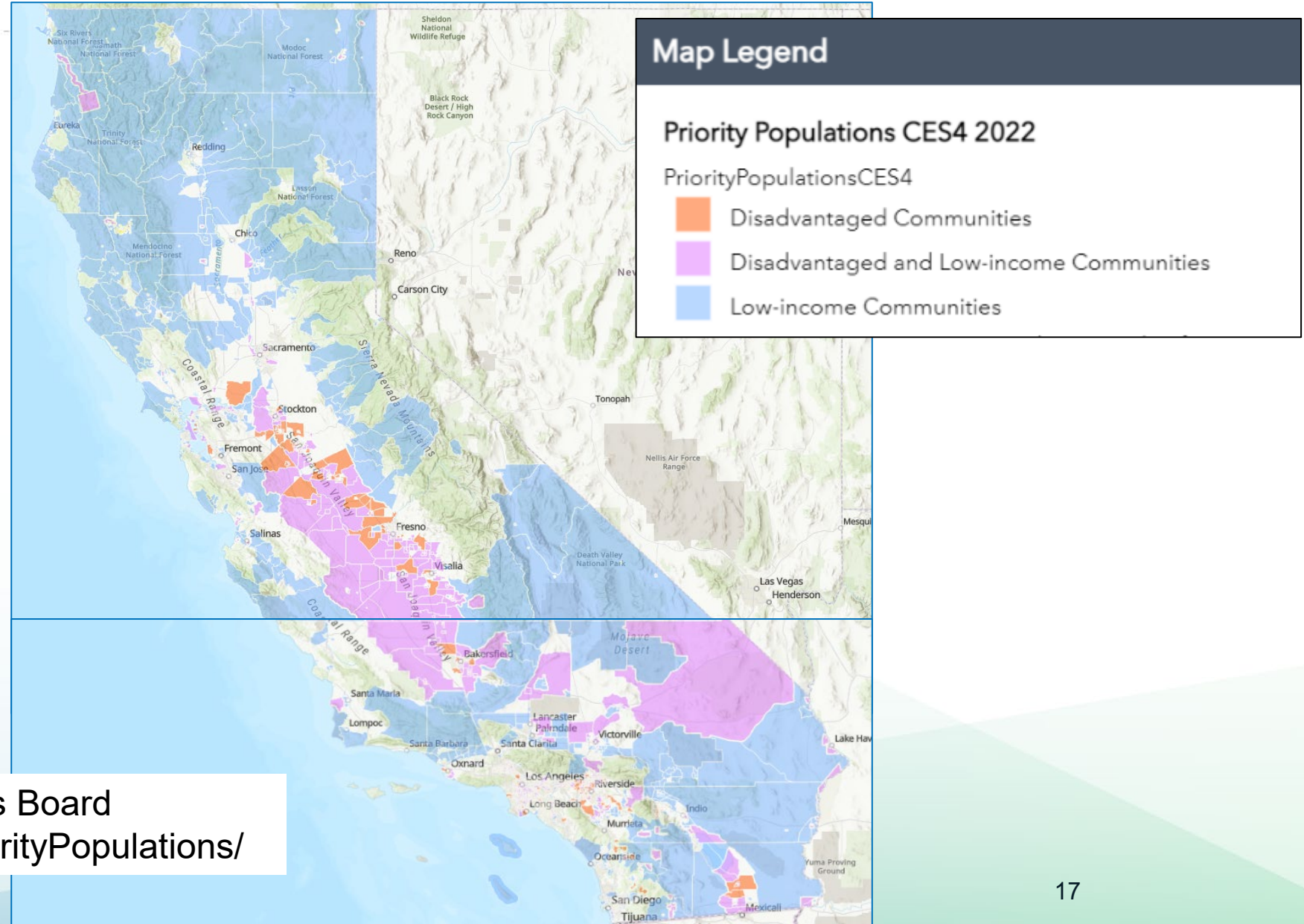
# Statewide Direct Install Program: Community Eligibility and Initial Focus Areas

- 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





# Underresourced Communities



Source: California Air Resources Board  
<https://webmaps.arb.ca.gov/PriorityPopulations/>

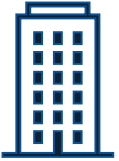


# Statewide Direct Install Program: Eligibility



## 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

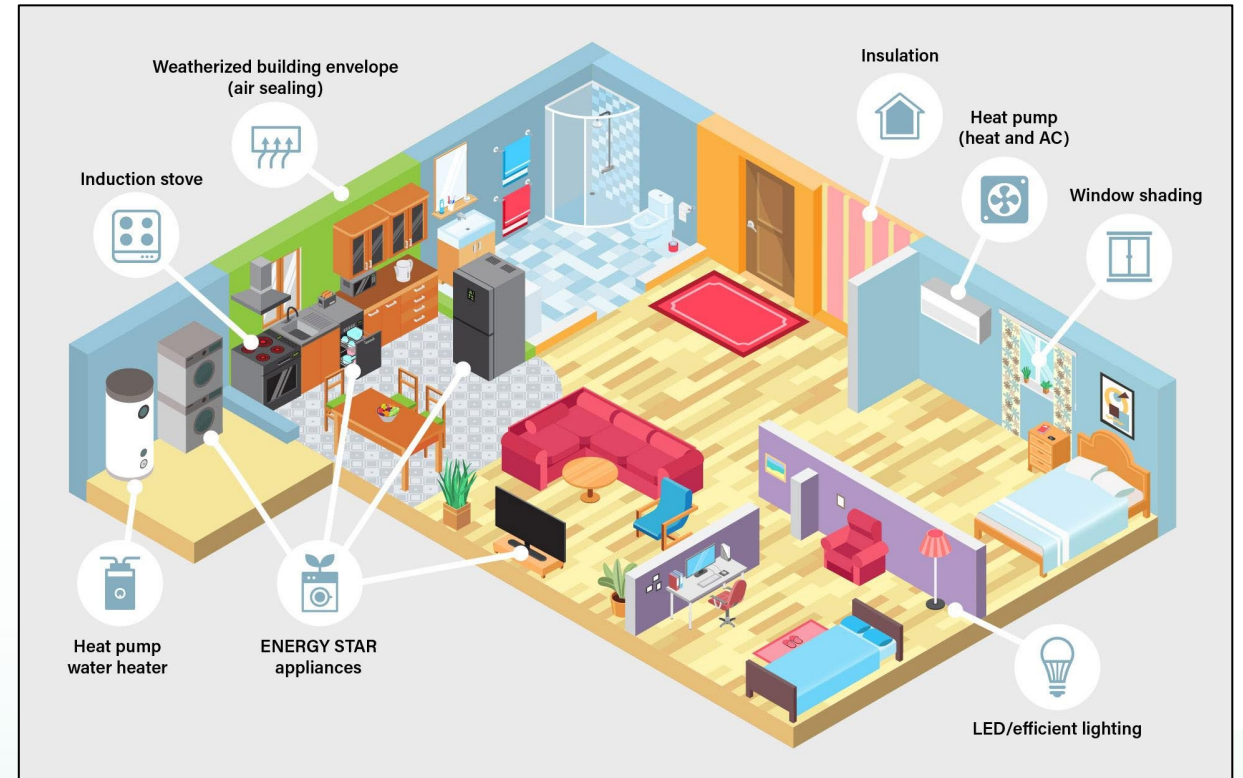
## Income Eligibility

- 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 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

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## Prevailing Wage

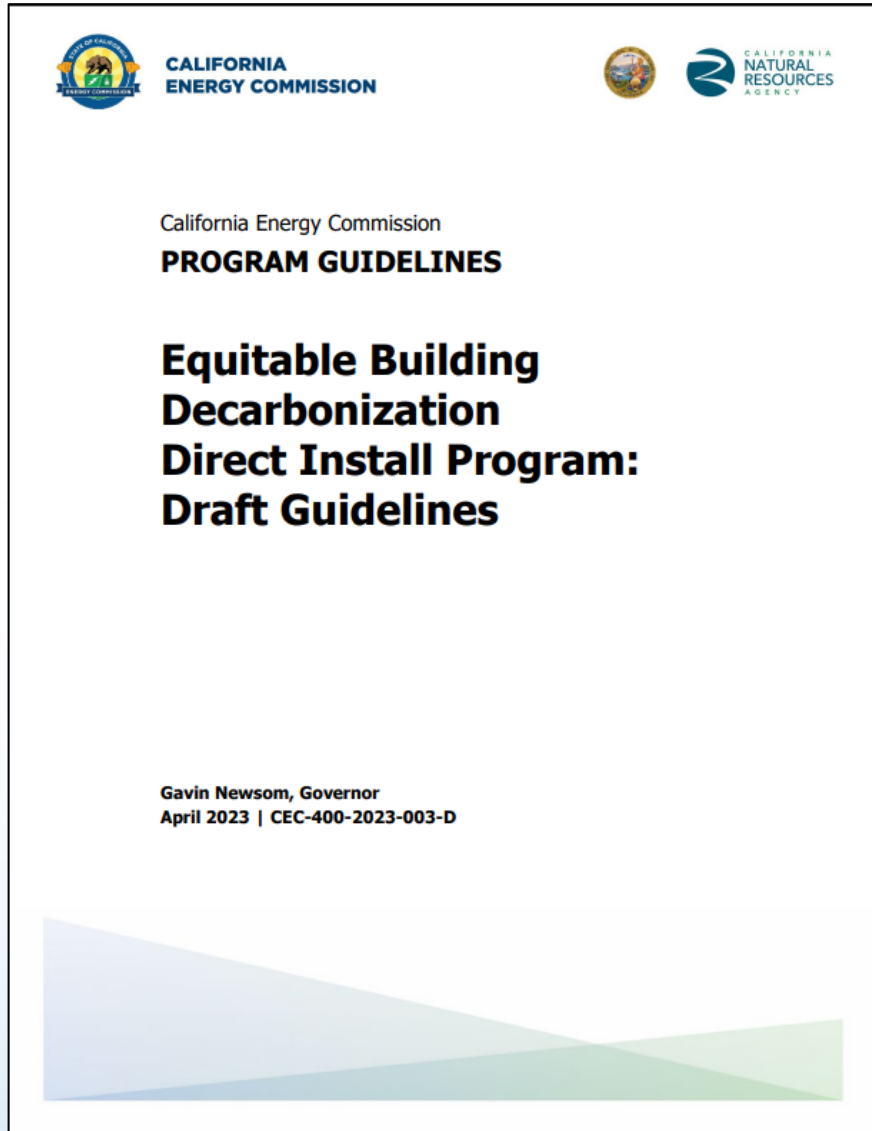
- Administrators should assume prevailing wage requirements in California Labor Code apply
- Administrators are responsible for ensuring subcontractor compliance

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>



# **Discussion Public Comments**





# Discussion

Share regional challenges related to clean energy and healthy homes

Compartir los desafíos regionales relacionados con la energía limpia y los hogares saludables



# Discussion

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?

El programa se aplicará por fases,  
¿por dónde debería empezar?  
¿Qué criterios deberían utilizarse para identificar las  
comunidades iniciales? ¿Se recomienda algún proceso de  
selección específico?



# Discussion

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

¿Qué protecciones para los inquilinos debe incluir el programa?

¿Qué organizaciones locales trabajan en la protección de los inquilinos?



# Discussion

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

¿Los contratistas de la región están familiarizados con la instalación de bombas de calor y otros equipos totalmente eléctricos?



# Discussion

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

¿Con quién debería asociarse la CEC en esta región? ¿Los programas existentes cubren los costos de mantenimiento diferido?



# Discussion

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

¿Qué tipo de servicios deberían prestar los implementadores del programa (y las organizaciones comunitarias)?



# Discussion

What should CEC know about your community's needs?

¿Qué debería saber la CEC sobre las necesidades de su comunidad?



# Public Comment

## Instruction

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

## 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.

## Written Comments:

<https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=22-DECARB-03>

## 3-MINUTE TIMER







# We want your input!

**Tell us about your experience!**

**Complete this short questionnaire.  
Also available in Spanish**



<https://www.energy.ca.gov/programs-and-topics/programs/equitable-building-decarbonization-program/regional-workshops>



# 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



# Comments Due by June 30, 2023, on Current Draft Guidelines

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

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

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

