

**DOCKETED**

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<b>Submission Date:</b>	6/16/2023 11:13:18 AM
<b>Docketed Date:</b>	6/16/2023

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

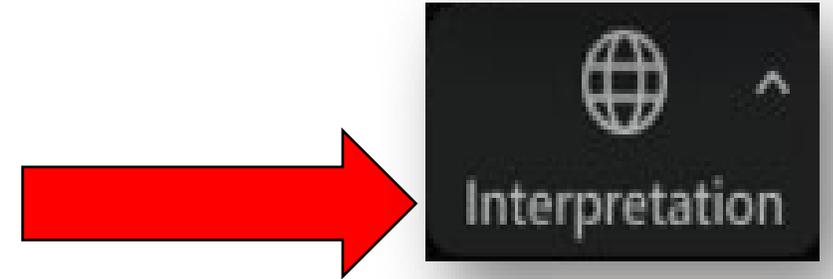
Indio, June 15, 2023



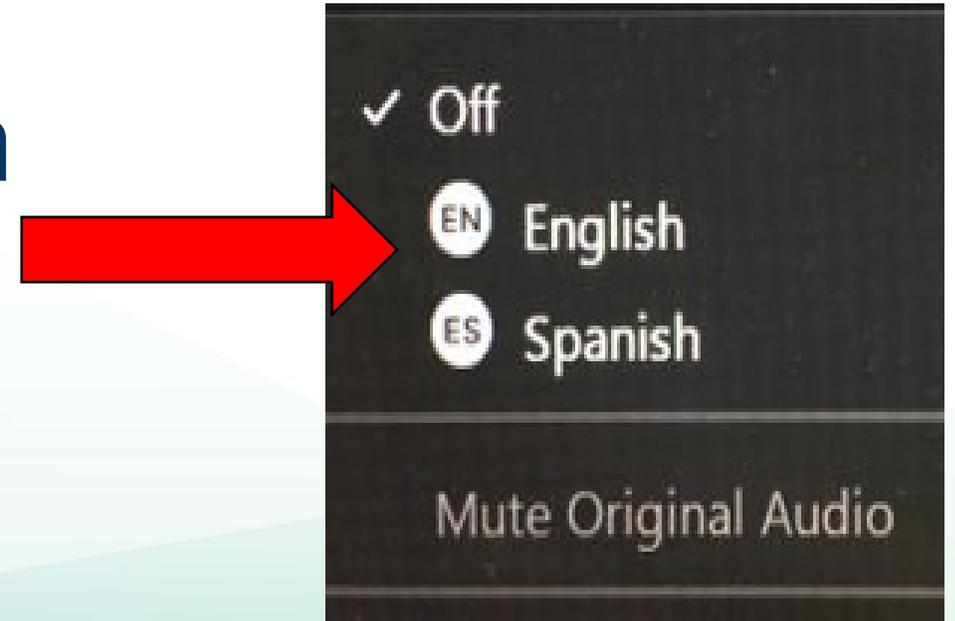


# Steps to Select English Channel

1) Click “Interpretation” icon



2) Click “EN English” option



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



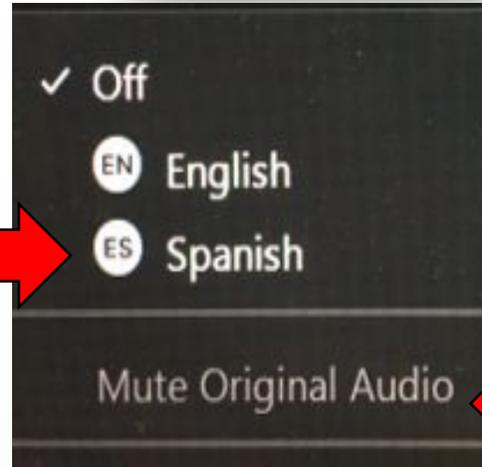
# Interpretation / Interpretación

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

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- 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

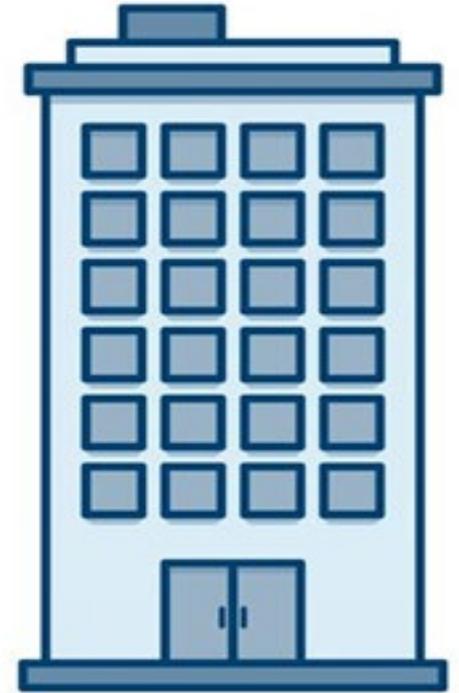
13.7 million

## Annual Electricity Consumption

93,522 GWh

## Annual Gas Consumption

4,562 MM therm



## Commercial Space

7,392 million sq. ft.

## Annual Electricity Consumption

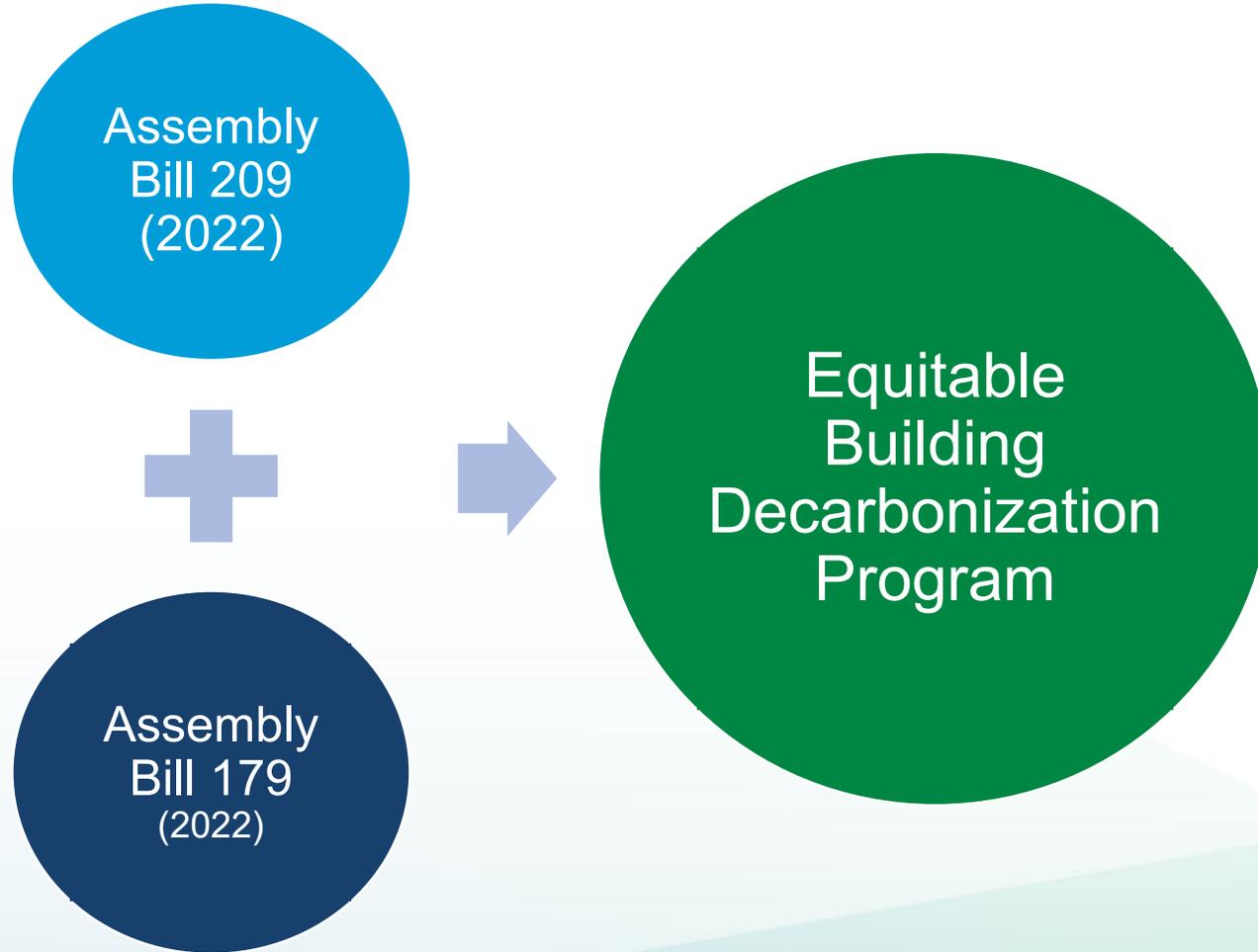
105,174 GWh

## Annual Gas Consumption

2,130 MM therm



# Equitable Building Decarbonization Program





# Timeline for 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
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



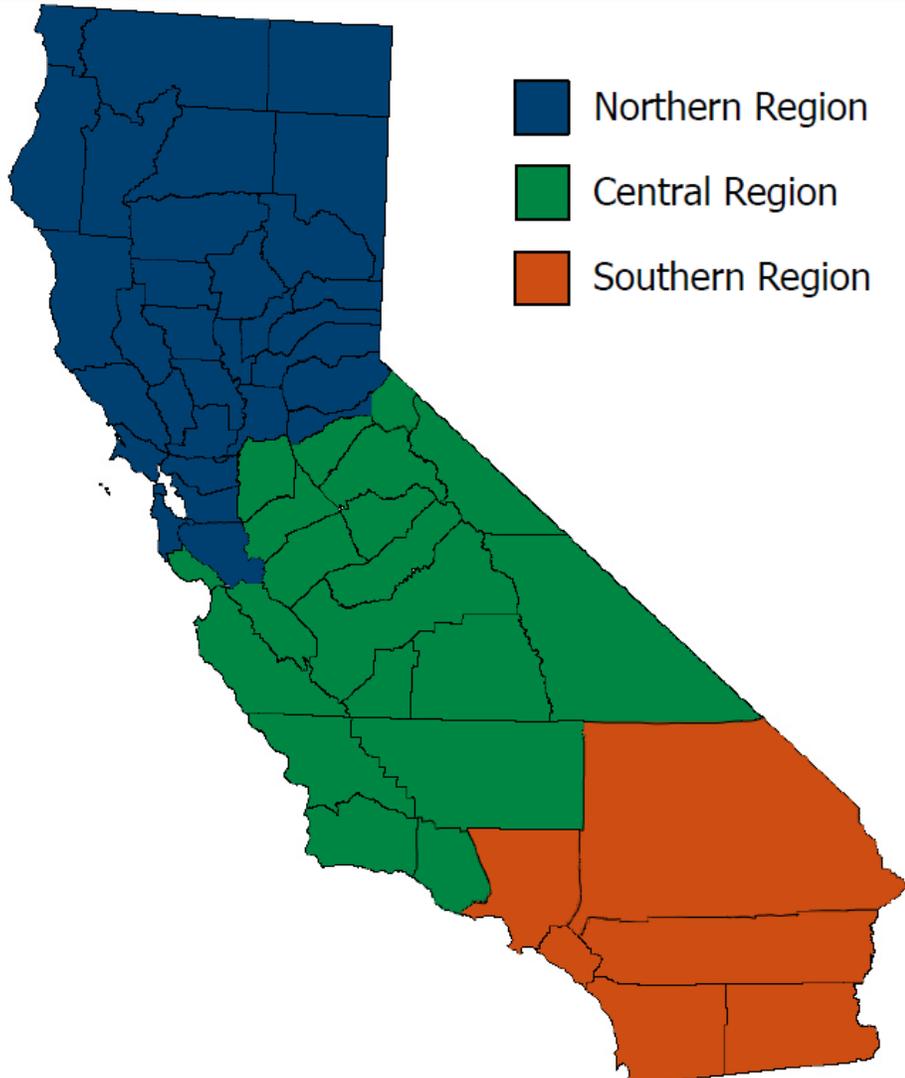
# Proposed Budget Breakdown

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>



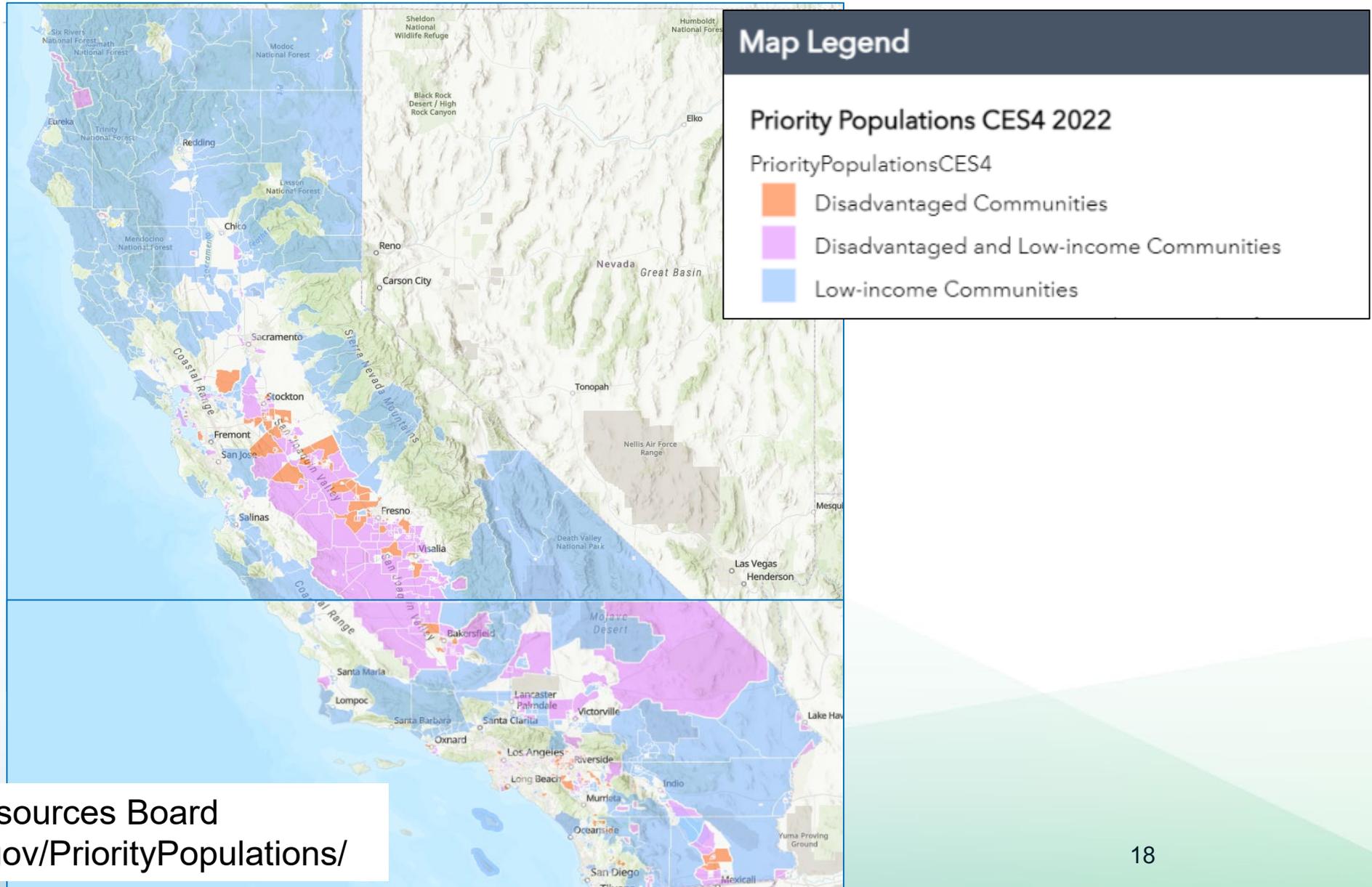
# Statewide Direct Install Program: Community Eligibility and Initial Focus Areas

- 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/>

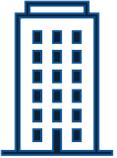


# Statewide Direct Install Program: Eligibility



## 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

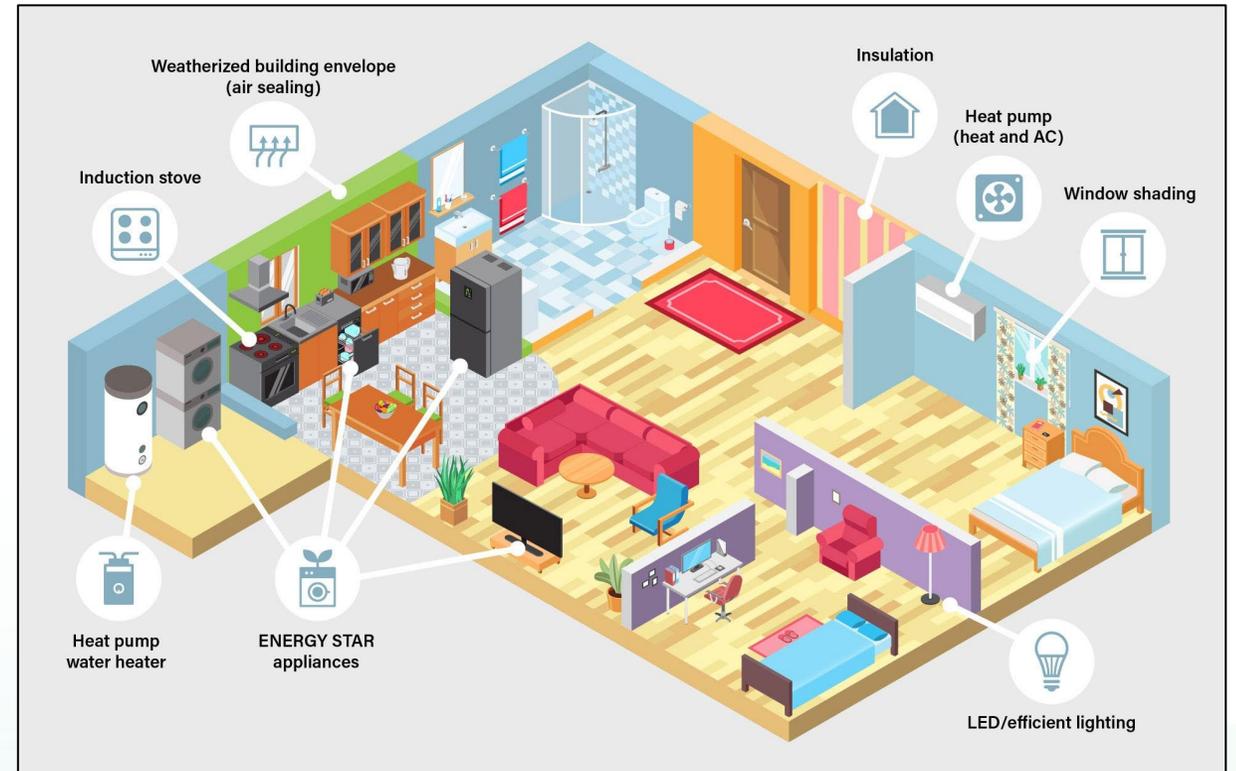
## Income Eligibility

- 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



CALIFORNIA  
ENERGY COMMISSION



California Energy Commission

## **PROGRAM GUIDELINES**

### **Equitable Building Decarbonization Direct Install Program: Draft Guidelines**

Gavin Newsom, Governor  
April 2023 | CEC-400-2023-003-D

<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 <b>HOMES</b>	High Efficiency Electric Home Rebate Program <b>HEEHRA</b>	<b>Total Allocation Amount for California</b>
<b>\$292M</b>	<b>+</b> <b>\$290M</b>	<b>= \$582M</b>

# IRA HOMES and HEEHRA Programs

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

# 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**

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# Imperial Irrigation District Residential Energy Efficiency Public Benefit Programs

**Sabrina Barber**

Manager, Energy Business & Regulatory Compliance Programs

June 15, 2023



# Energy Rewards Prescriptive Rebates

- Prescriptive, after-purchase rebates on a variety of energy efficiency measures
- Purchase and install in 2023; submit application, proof of purchase/supporting documentation



# Energy Rewards Prescriptive Rebates

## Residential



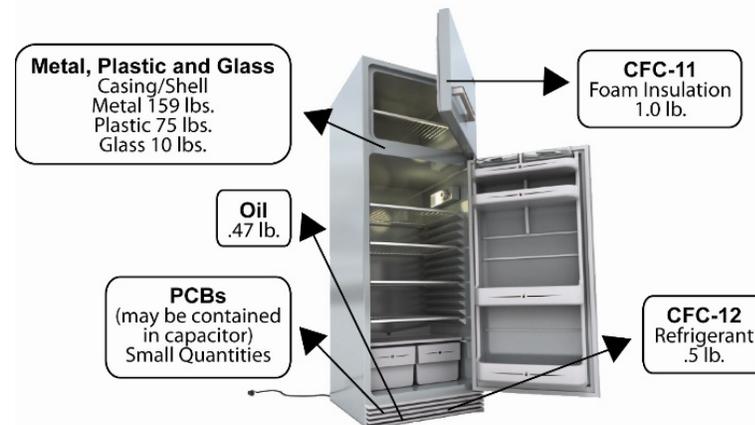
Qualifying Products - Residential	Rebate
ENERGY STAR® Refrigerator*	\$75/unit
ENERGY STAR® Clothes Washer*	\$75/unit
ENERGY STAR® Electric Clothes Dryer*	\$75/unit
ENERGY STAR® Dishwasher*	\$75/unit
ENERGY STAR® Dual-Pane Windows*	\$2/sq.ft.
Shade Screens	\$1/sq.ft.
ENERGYSTAR® Variable-Speed Pool Pump	\$200/unit
Attic Fan	\$75/unit, Electric \$125/unit, Solar

Qualifying Products - Residential	Rebate
Attic Insulation	\$0.30/sq.ft.
Radiant Barrier	\$0.30/sq.ft.
ENERGY STAR® Room Air Conditioner*	\$100/unit
Evaporative Cooler	\$300/unit
Ductless Mini-Split System	\$200/unit
ENERGY STAR® Thermostat	\$50/unit
HVAC Gas to Electric Conversion	\$400/ton
HVAC Systems	Tier 1: \$125/ton Tier 2: \$200/ton Tier 3: \$300/ton



# Refrigerator Recycling

- Current incentive of \$50 per working refrigerator or freezer
- Appliance will be picked up and recycled at no charge
- IID has partnered with Appliance Recycle Centers of America (ARCA) as service provider
- Limit of two appliances per household per year



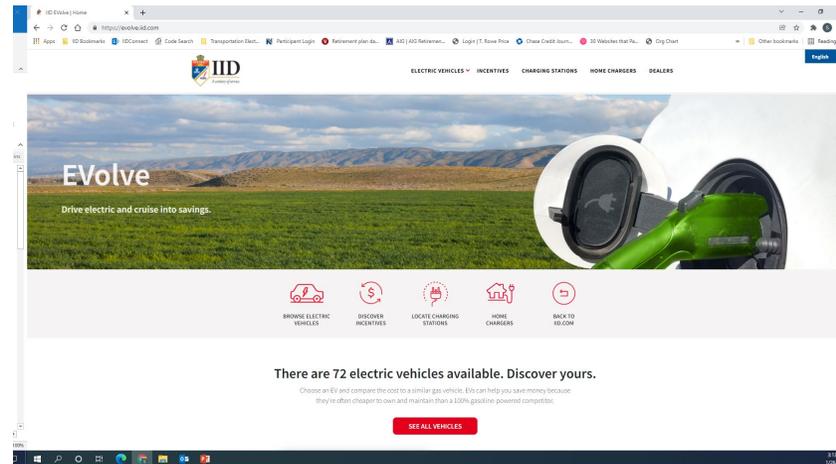
# Residential Weatherization

- Direct install program that provides weatherization installation services to residential customers
  - *Customers receive up to \$1,000 in installed measures*
  - *Customers enrolled in REAP can receive an additional \$500 in installed measures*
- Services provided by Synergy Company
- Measures consist of:
  - *Home energy assessment*
  - *A/C maintenance services*
  - *Building envelope*
  - *Lighting*



# Electric Vehicles

- ReCharge EV Charger Rebates - rebates of up to \$500 for purchase and installation a Level 2 (240-volt) plug-in EV charger
- EVolve – IID website that allows customers to research EVs, explore potential rebates and tax credits as well as locate charger station locations (<https://evolve.iid.com>)



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# Tree for All

- Free shade tree program offered to IID energy customers
  - *Trees can reduce energy costs by up to 20% when strategically planted*
  - *Trees provide many community/environmental benefits*
- IID's shade tree program has distributed/planted 1,200 trees



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# Inland Regional Energy Network (I-REN)

June 2023

# I-REN is your premier resource for energy efficiency.



The Inland Regional Energy Network (I-REN) connects the workforce industry, local governments, and other stakeholders to a wide range of energy efficiency resources. Our aim is to provide equitable access to all the benefits of energy efficiency, including cost savings, throughout Riverside and San Bernardino counties.

The Coachella Valley Association of Governments, San Bernardino Council of Governments, Western Riverside Council of Governments have partnered to develop I-REN to serve the cities and communities of our region.



# Our Sectors & Goals



## Public Sector

- Build capacity and knowledge to enable local governments to effectively leverage energy efficiency services and to demonstrate best practices.



## Codes & Standards

- Work closely with local building departments and the building industry to support, train, and enable long-term streamlining of energy code compliance.



## Workforce Education & Training

- Ensure there is a trained workforce to support and realize energy efficiency savings goals across sectors.



Thank You!

Visit [iren.gov](http://iren.gov) to learn more

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# **Roundtable Discussion**

## **Q&A**

### **Public Comments**

# Roundtable Discussion

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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



# Public Comment

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## In-person

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## When called upon

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- Unmute, spell name, state affiliation, if any for the record, then begin your comment.

## 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>



# Timeline for Direct Install Program

Date	Milestone
9/6/2022	AB 209 and AB 179 signed
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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



# **We want your input!**

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**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>



# Thank you





# Appendix





# Thank you for your patience

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The in-person location is currently having technical difficulties.

Please see the following web page for additional opportunities to provide input:

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



# Thank you for your patience

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The Equitable Building Decarbonization workshop will start soon. We are giving the in-person attendees time to sign-in and find their seats.

Please see the following web page for additional opportunities to provide input:

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



# Break

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Please return at 2:00 pm