

DOCKETED

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ITEM 5

Presentation of the Renewable Energy Division's equity-focused programs:

California Schools Healthy Air, Plumbing and Efficiency Program (CalSHAPE), Building Initiative for Low-Emissions Development Program (BUILD), Energy Conservation Assistance Act (ECAA), and California Electric Homes Program (CalEHP)



Overview

The CEC's Renewable Energy Division administers a number of programs that provide financial assistance or incentives to promote energy efficiency and decarbonization efforts.

Programs that cover housing

- BUILD Program
- CalEHP Program

Programs that cover schools and local governments

- CalSHAPE Program
- ECAA Program






BUILD

Building Initiative for Low-Emissions Development Program

Introducing: BUILD



A modern, multi-story apartment building with a mix of grey, white, and orange accents. The building features large windows with dark frames and several balconies with white railings and perforated metal screens. The building is set against a clear sky. In the foreground, there are green bushes and a paved walkway.

BUILD is a residential building decarbonization program that provides technical assistance and incentives to support the adoption of advanced building design and **all-electric** technologies in new, low-income homes.

BUILD makes **clean energy technologies** accessible to affordable housing developments to benefit low-income Californians.

Why Nonprofit, Tribal & Public/Private Developers Participate in the BUILD Program

- 300 hours of no-cost technical assistance
- Up to \$2,000,000 in incentives
- A special New Adopter incentive (up to \$100,000)
- Reduction in long-term utility costs & elimination of gas infrastructure costs
- Build in-house capacity for all-electric building
- Prepare for current and future state and local building electrification policies
- Layer funds with other programs and incentives



BUILD
Building Initiative for Low-Emissions Development Program
Program Fact Sheet

The Building Initiative for Low-Emissions Development (BUILD) Program is a residential building decarbonization program that provides incentives and technical assistance to support the adoption of advanced building design and all-electric technologies in new, low-income all-electric homes.

BUILD encourages adoption of clean energy technologies in affordable housing developments, thereby improving access to clean energy for low-income Californians.

Why Participate in BUILD?

- Receive up to \$2,000,000 in incentives to reduce construction costs
- Reduce long-term utility costs for both you and your residents
- Build your in-house capacity for all-electric building
- Prepare for current and future state and local building electrification policies
- Layer funds with other programs and incentives
- Eliminate costs for gas infrastructure

Receive up to 300 hours of no-cost technical assistance to overcome design or construction barriers, and to complete an incentive application

\$1,700 Per Bedroom average minimum greenhouse gas incentive

New Adopter Design Award
BUILD provides eligible applicants constructing their first all-electric, low-income multifamily building (10+ units) with up to **\$100,000 design award** to defray direct design costs.

Incentives
BUILD provides robust incentives consisting of four components:

BASE GHG INCENTIVE Based on GHG emissions avoided	+	BUILDING EFFICIENCY Modeled Resident Utility Costs
+		+
INCREMENTAL PV Modeled Resident Utility Costs	+	KICKER INCENTIVE For additional GHG reduction technologies
TOTAL INCENTIVE		

\$2,000,000 Program Cap per applicant

FOR QUESTIONS, EMAIL BUILD AT:
BUILD@energy.ca.org

FOR MORE INFORMATION, VISIT:
www.energy.ca.gov/programs-and-topics/programs/building-initiative-low-emissions-development-program

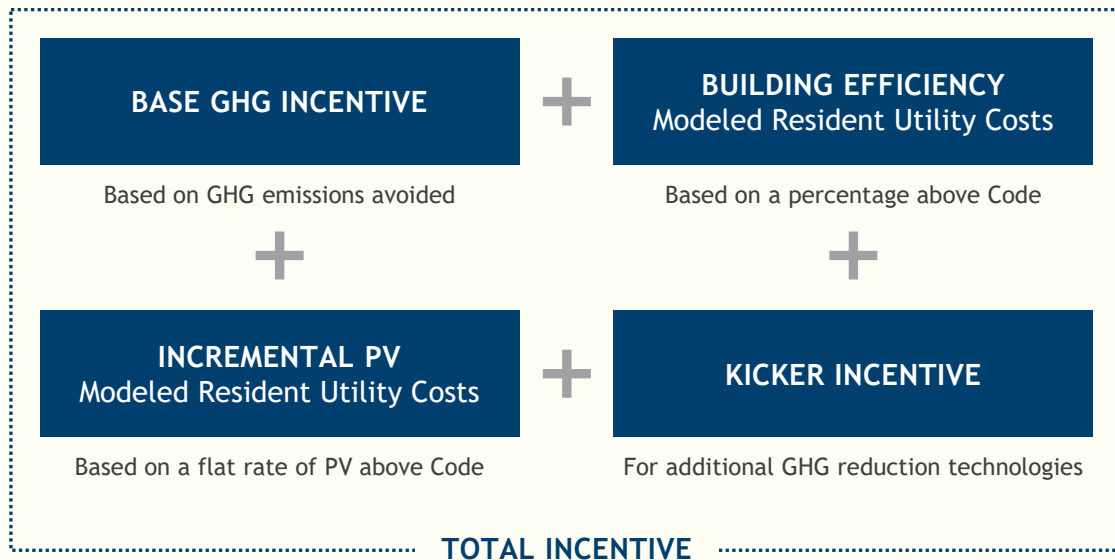
BUILD Program Fact Sheet

BUILD

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Incentive Types & Eligibility

4 Robust Incentives Components:



\$2,000,000

Program Cap
per applicant

BUILD | 6

\$1,700

Per Bedroom
average minimum
greenhouse gas incentive

Developer and Project Eligibility:

- New construction, significant refurbish, or repurposed low-income housing unit(s) with income restrictions
- All-electric, no distribution level gas hookups, located in a participating gas service territory
- Demonstrated modeled resident utility cost savings
- Developers need low-income residential project experience in California

Help Spread the Word

- Share the BUILD Fact Sheet through your networking channels: <https://www.energy.ca.gov/media/6781>
- Host a BUILD technical assistance provider at your next agency outreach event, empower your communities to learn more about all-electric building design and funding opportunities: BUILD@AEA.us.org
- Add BUILD's hyperlink to agency housing and energy webpages. Help your community developers access free technical assistance and funding: <https://www.energy.ca.gov/programs-and-topics/programs/building-initiative-low-emissions-development-program>
- Provide contacts to your local trade and housing groups and collaboratives



California Electric Homes Program

AB 137, 2021

(Referenced in statute as the Building Initiative for Low-Emissions Development Phase 2)



Program Background: What is the California Electric Homes Program?

- Incentive program with a goal to increase market transformation in the building of all-electric homes, and installation of residential energy storage systems
- Statewide program targeted for market-rate residential buildings
- Program will be implemented through a competitively selected third-party administrator

Legislation:

- Assembly Bill 137 (Ting, Chapter 77, Section 17, Statutes 2021)
- Public Resources Code Section 25403.2



Program Structure

Program Design and Structure to be Guided by:

- Statute
- CEC Guiding Principles
- Stakeholder input

The program design will be completed by the third-party administrator with input and approval by CEC.

Program Activity	Budget
Incentives	\$58,125,000
Administration	\$16,875,000
TOTAL	\$75,000,000





Guiding Principle on Disadvantaged Communities

Goal:

- The CEC and State are committed to improving the environment and economically advancing at-risk communities and reducing the disproportionate environmental effects of pollution in California communities.
- While CalEHP is required by statute to focus on residences in the market-rate rental or homebuying market, the program design from the third-party administrator should incorporate this policy.

Note: The program's design details are still being worked out as the program has not yet launched.



CalSHAPE Program



Assembly Bill 841 Overview

- CalSHAPE includes 2 Grant Programs:
 - **CalSHAPE Ventilation Program:** assess, maintain, and repair or replace ventilation systems
 - **CalSHAPE Plumbing Program:** replace aging and inefficient plumbing fixtures and appliances
- CEC is Program Administrator
 - Coordinating with Large Electric and Gas Utilities Funding the Program and CA Public Utilities Commission
 - The current estimated budget for the program is around \$650 million.



Priority Eligibility

Since opening the application process, the initial 2 Funding Rounds to schools in “underserved communities”

- Disadvantaged communities
- Low-income communities
- CalEnviroScreen
- Free and Reduced Price Meal
- Tribal land



CalSHAPE Update

- **450 applications received**

- 130 Plumbing
- 320 Ventilation

- **\$170M in requested funds**

- \$18.5M Plumbing
- \$150.8M Ventilation

- **118 Notices of Proposed Awards Issued**

- 38 Plumbing
- 80 Ventilation

- **\$52M in NOPAs Issued**



CalSHAPE Reach

- **26% Eligible LEAs**
 - 213 of 829 total
- **21% Schools in an underserved community**
 - 1,316 of 6,262 total
- **76% of Counties with Eligible LEAs**
 - 44 of 58 total





Energy Conservation Assistance Act



ECAA Program Background

- 1% interest and no-interest revolving loan program that provides financing for energy-efficiency and clean energy generation projects
- Program has been in operation since 1979, during which time hundreds of projects have received funding
- Maximum loan amount is \$3 million
- Loans are paid back through energy cost savings
- Eligible entities include cities, counties, special districts, and schools





Example Project – City of Orange Cove

- LED lighting upgrades at seven city sites
- Ground-mounted solar PV installation at the City's Wastewater Treatment Plant
- Expected completion date of 10/21/23





Example Project Energy Analysis Summary

Loan Amount	Annual Energy Use Savings	Annual Energy Cost Savings
\$2,228,616	961,534 kWh	\$142,166



Upcoming Changes to ECAA Program

- Recent legislation (AB 33, Ting) creates new opportunities
- Projects can be evaluated comprehensively rather than on a “measure-by-measure” basis
- Electric Vehicle (EV) charging infrastructure and energy storage specifically referenced as eligible measures
- Tribes added as eligible entities





Opportunities for Disadvantaged Communities

- CEC programs present opportunities for disadvantaged communities to receive significant funding for certain types of projects
- The CEC can provide technical assistance and support to communities seeking to apply to these programs





Contact Information for Programs

CalEHP Contact:

- CalEHP@energy.ca.gov

CalSHAPE Contact:

- calshape@energy.ca.gov

ECAA Contact:

- PubProg@energy.ca.gov

BUILD CONTACT

TO SCHEDULE AN INFORMATIONAL SESSION, CONTACT THE TECHNICAL ASSISTANCE PROVIDER AT:

BUILD@AEA.us.org

FOR QUESTIONS, EMAIL BUILD CEC STAFF AT:

BUILD@energy.ca.gov