

DOCKETED

Docket Number:	16-OIR-06
Project Title:	Senate Bill 350 Disadvantaged Community Advisory Group
TN #:	243187
Document Title:	ITEM 5 DACAG May 2022 Presentation
Description:	***THIS DOCUMENT REPLACES TN 243148***
Filer:	Dorothy Murimi
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	5/20/2022 10:45:53 AM
Docketed Date:	5/20/2022



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)



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





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



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.gov

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

- Up to \$2,000,000 in electrification incentives & 300 hours of no-cost technical assistance, thus:
 - Strengthening in-house all electric building design capacity, and
 - preparing for future building electrification policies
- A special New Adopter incentive (up to \$100,000) for developers constructing their first all electric AMF residence
- Layer other incentive program funds

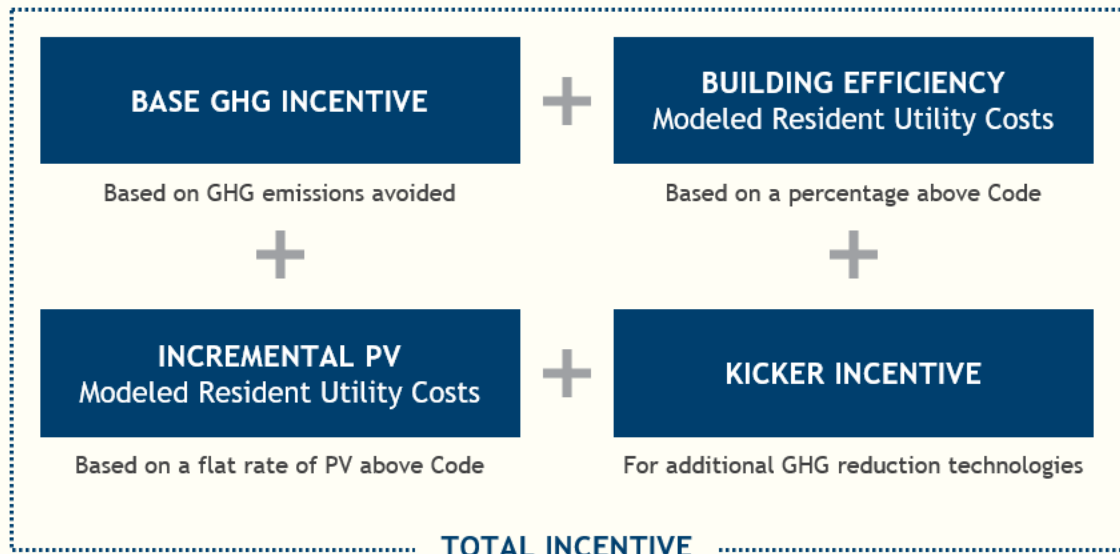
BUILD Program Fact Sheet

BUILD

6

Incentive Types & Eligibility

4 Robust Incentives Components



\$2,000,000

Program Cap
per applicant

BUILD | 7

\$1,700

Per Bedroom
average minimum
greenhouse gas incentive

Developer and Project Eligibility

- New construction, significant refurbish, or repurposed all electric low-income housing unit(s) with income restrictions
- Demonstrated modeled resident utility cost savings
- Eligible 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/community outreach event: BUILD@AEA.us.org
- Add BUILD's hyperlink to agency housing and energy conservation webpages: <https://www.energy.ca.gov/programs-and-topics/programs/building-initiative-low-emissions-development-program>
- Provide the BUILD team with 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 implementation design from the third-party administrator will 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 \$650 million.



Funding Priority for the DAC

Since the offering of the grant application process, the program's first two Funding Rounds went to schools in "underserved communities"

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



CalSHAPE Funding Status

- **450 applications received**

- 130 Plumbing
- 320 Ventilation

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

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

- **118 Notices of Proposed Awards (NOPAs) Issued**

- 38 Plumbing
- 80 Ventilation

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



CalSHAPE Funding Impact

- **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

- One percent interest and zero-interest rate 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
- Orange Cove is designated as a disadvantaged community
- Expected completion date of 10/21/23





Example Project Energy Analysis

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
- California Native American Tribes added as eligible entities





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