

2023 v2

Program Guide

We provide intelligent decarbonization analysis;
you make informed energy decisions

California Energy
Design Assistance



WHAT IS CEDA?



The California Energy Design Assistance (CEDA) program promotes the electrification and decarbonization of new building construction or major renovation. CEDA works in collaboration with project teams to reduce energy demand, consumption, and carbon emissions.

CEDA serves commercial, public, high-rise multifamily, industrial, and agricultural projects in Pacific Gas & Electric (PG&E), Southern California Edison (SCE), SoCalGas (SCG), and San Diego Gas & Electric (SDG&E) service areas.



PROGRAM OBJECTIVES

- Advance the market to achieve California's aggressive decarbonization goals
- Promote electrification and all-electric buildings
- Reduce long term energy costs and emissions
- Drive adoption of high-performance measures
- Make buildings true grid resources
- Educate the market

Overall Goals

Increase supply and demand for all-electric and high-performance measures

Build relationships with the A/E/C community

Drive Innovation

WHY PARTICIPATE IN CEDA?

- Receive complimentary custom **decarbonization** analysis to identify and evaluate opportunities
- Gain analysis of **energy costs and paybacks**
- Receive **financial incentives** to help offset the costs of decarbonization measures for qualified projects
- Demonstrate commitment to high performance building practices and design





- New construction projects and/or major alterations
- Projects in design phase
- Owner pays/will pay the Public Purpose Program surcharge on the account where the Energy Efficiency (EE) measures are installed
- No double-dipping incentives with other utility sponsored ratepayer energy efficiency programs for the same measures
- Allow access to project site at project completion for verification of installed measures

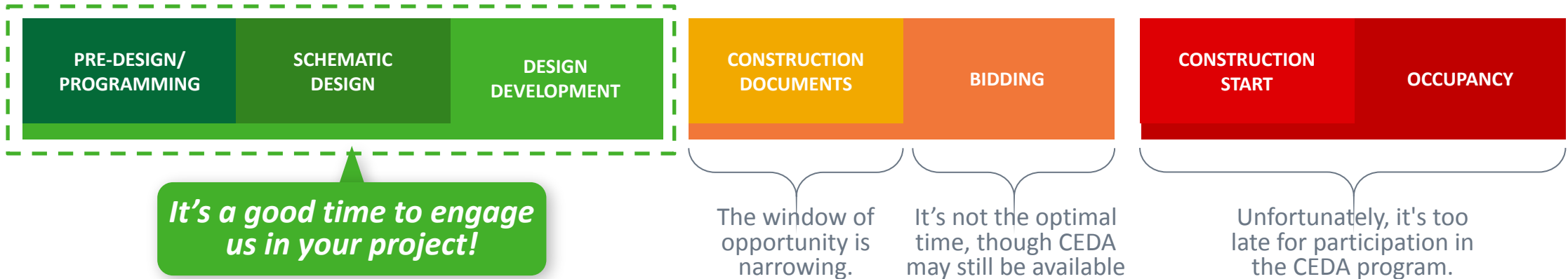
Major alterations must meet the following criteria:



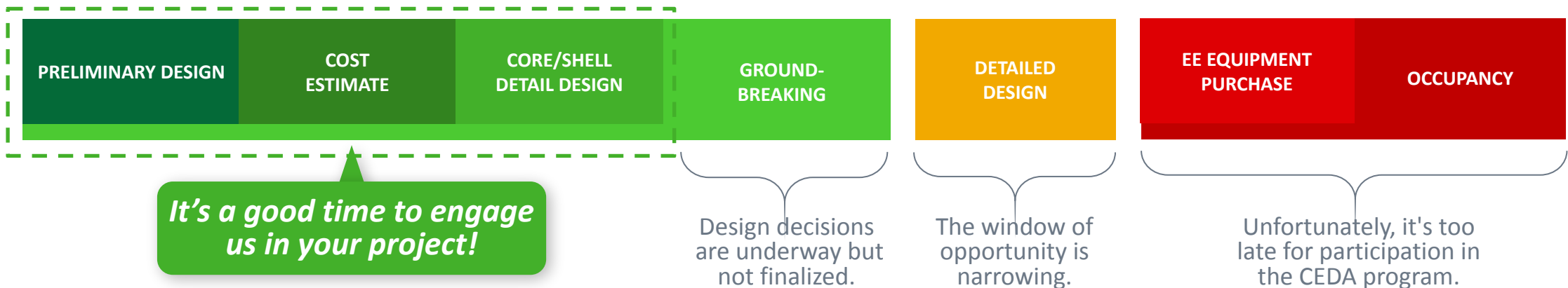
- Changes in space function (building or space occupancy type change) **OR**
- Substantial changes ($\geq 30\%$) in design occupancy (square feet per person) **OR**
- Increase ($\geq 10\%$) in conditioned floor area **OR**
- Any expansion or addition of substantial process or conditioning load to an existing facility

ENROLLMENT TIMING

TRADITIONAL DESIGN/BID/BUILD PROCESS



FAST-TRACK OR DESIGN/BUILD PROCESS



1



Enrollment

You provide schematic information about your building through our Energy Design Assistance application or directly to one of our outreach specialist

2



Discovery

Willdan performs a real-time evaluation of decarbonization measures and bundle potential whole-building strategies for further analysis

3



Results

You determine the measures that best align with your project goals, from which estimated savings, and incentives are calculated

4



Verification

We confirm your project was constructed to plan and issue a final report confirming savings, incentives as applicable

5



Savings

Enjoy continual energy savings, helping to actualize decarbonization goals and being a grid partner

PARTICIPATION INCENTIVES

Design teams are stretched thin on time and budget, but that doesn't mean decarbonization needs to be put on the back burner.

CEDA is now offering participation incentives on top of the incentives your project will get for implementing decarbonization measures.

It's a win-win!



MEASURE INCENTIVES

CEDA offers incentives to reward buildings of the future that implement high performance measures and electrification.

Incentives are also available for the installation of traditional above code minimum energy efficiency measures



Inducements Process:



HIGH-PERFORMANCE MEASURES

Examples of high-performance measure types to help your teams evaluate decarbonization opportunities and available incentives



Space heating system

Heat pumps, controls, heat pump chillers and heat pumps for VAV reheat systems



Service water heating

Central heat pump water heaters, distributed heat pump water heaters, water heater and distribution systems



Plug Loads

Heat pump clothes dryers, induction cook tops, electric commercial kitchens



Process Loads

Heat pump pool heaters, high temp heat pumps for industrial processes, microwave or other electric drying processes



Refrigerant Systems

Low GWP refrigerants for heat pumps, VRF, chillers, water heaters, reduced refrigerant leakage

40% incentive bonus for grid-constrained and subsidized affordable housing projects.

To date, we've worked with **260** multifamily projects across California!

CASE STUDY: ION AERO & ION CONVOY



Overview Facts

- **Location:** San Diego, CA
- **Construction type:** New Construction
- **Project type:** Multifamily – High Rise
- **Project Area:**
ION Aero: 415,297 sq. ft.
ION Convoy: 339,022 sq. ft.

Project Team

- **Project team owner:** AAA Management LLC
- **Design team:** Carrier Johnson + Culture



Project Overview

- **All-electric systems:** heat pumps & high-efficiency equipment
- **Eliminated gas:** pools, spas, outdoor kitchens, patio heating
- **PV-ready design:** infrastructure for future solar
- **Optimized efficiency:** high R-value insulation & thoughtful layouts

Achievements

- **Reduced carbon emissions** & long-term energy costs
- **Durable, high-performing systems** simplify maintenance & lower operational expenses
- **Model project** for large-scale, all-electric multifamily buildings
- **Forward-thinking sustainable design** in the multifamily market

CASE STUDY: ION AERO & ION CONVOY

Estimated Energy Savings & Incentives

ION Aero



415,360 kg
Annual CO₂e Savings



47,050
Annual Avoided Therms



\$134,600
Total Incentive

ION Convoy



98,736 kg
Annual CO₂e Savings



34,788
Annual Avoided Therms



\$105,700
Total Incentive



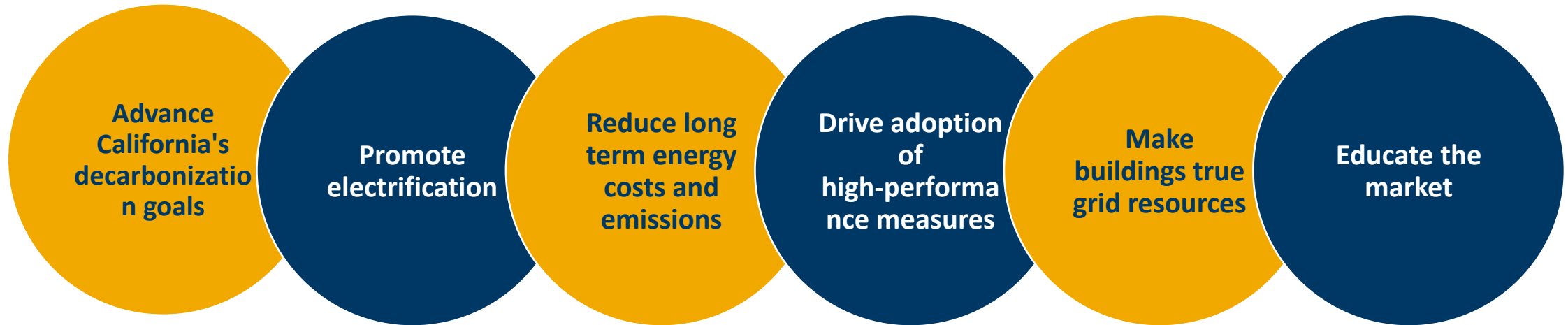
“[Our vision for the project was] to create a place that not only functions well but is aesthetically pleasing, provides lifestyle amenities for residents, and brings value to the surrounding neighborhood. [We learned about the CEDA program] through an SDG&E contact. It helped educate us about power consumption and costs. We could make better decisions with the information provided by CEDA. The CEDA team was very communicative and informative.”

– Lynne Lyons / AAA Management

START YOUR DECARBONIZATION JOURNEY



Together we can achieve our goals to:



Enroll your project today to determine,
which decarbonization methods will benefit your project.

NEW CEDA SCREENING TOOL

**View your project incentive
potential in minutes!**

HAVE A PROJECT TO DISCUSS?



For more information, please contact one of our program outreach specialists:



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GET STARTED TODAY!



CaliforniaEDA.com



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**Pacific Gas and
Electric Company®**

The California Energy Design Assistance (CEDA) program is funded by California utility customers and administered by Pacific Gas and Electric Company (PG&E) and supported by the state's other investor-owned utilities, (IOUs) under the auspices of the California Public Utilities Commission. Customers who choose to participate in this program are not obligated to purchase any additional goods or services offered by Willdan or any other third party.