

PROGRAM GUIDE

California Energy Design Assistance

We provide intelligent energy analysis;
you make informed energy decisions.

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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 ratepayer EE programs for the same measures
- Allow access to project site at project completion for verification of installed measures

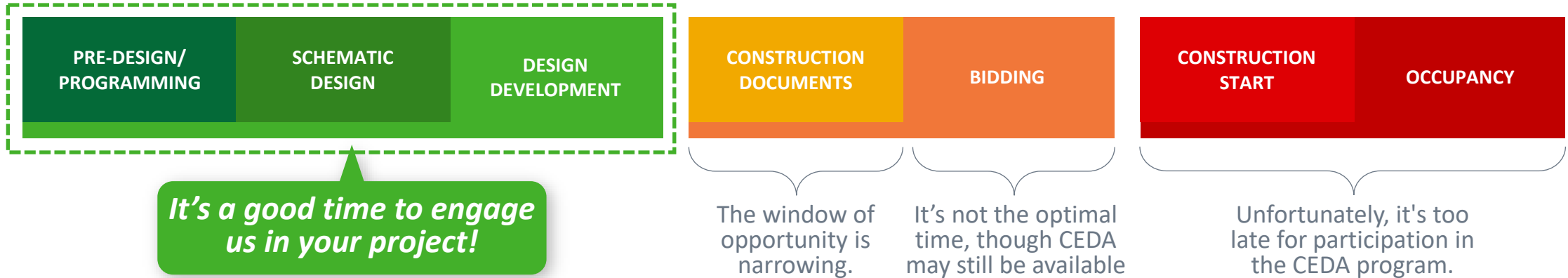
Major alterations must meet the following criteria:



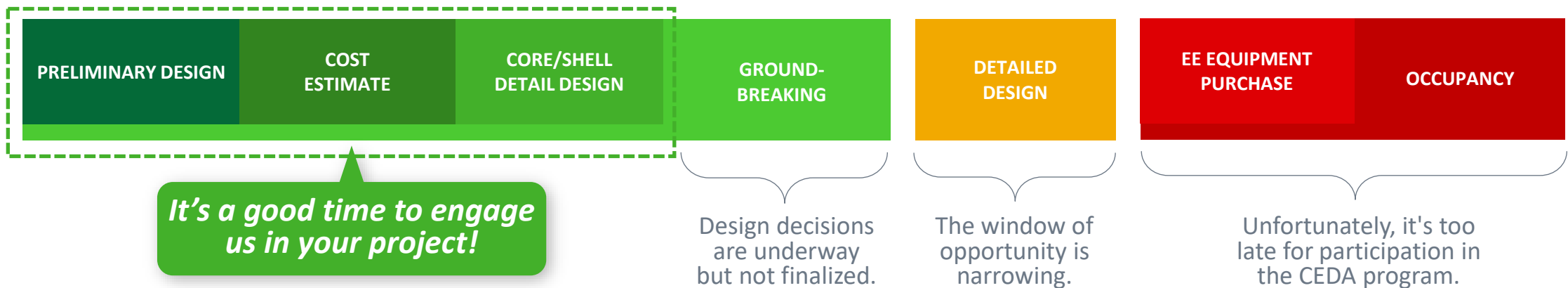
- Changes in space function (building or space occupancy type change) **OR**
- Substantial changes ($\geq 30\%$) in design occupancy (square feet per person) **OR**
- Increase ($\geq 10\%$) in conditioned floor area **OR**
- Any expansion or addition of substantial process or conditioning load to an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

2



Discovery

Together we perform 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, incentives and inducements are calculated

4



Verification

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

5



Savings

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

DESIGN TEAM 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 design team incentives on top of the incentives your project will get for implementing decarbonization measures. It's a win-win!



INCENTIVE SUMMARY

- Based on **net¹ first year energy savings** beyond standard practice baseline²
 - **Fixed incentive rates** for kWh, therms saved (bonus for electrification)
- Incentives are capped at the lesser of 100% of incremental measure costs or 50% of full measure costs
- Incentives may be capped for buildings with onsite generation exceeding usage on an hourly basis.

Energy Savings:

\$0.20/kWh
\$0.30/therm
\$1.00/therm (electrification)

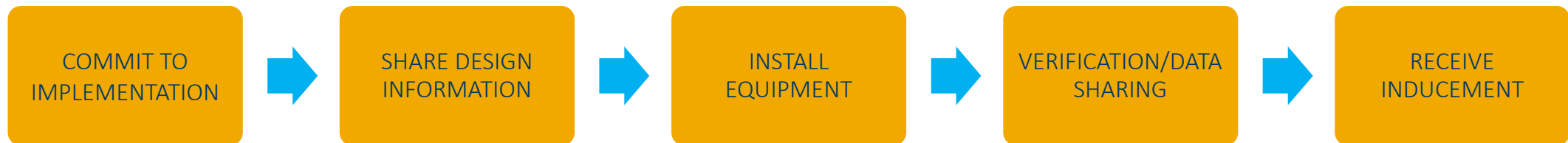
¹ Net savings are based on CPUC determined net-to-gross ratio to account for free-ridership and program influence

² The All-electric program's standard practice baseline is mixed fuel for buildings with natural gas available nearby

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



Inducements Process:



HIGH-PERFORMANCE MEASURES

Examples of high-performance measure types to help your teams evaluate EE opportunities and available inducements



Space heating system

Heat pumps, VRF systems, 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 controls 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

COMPARING CEDA TO SAVINGS BY DESIGN

CEDA program updates provide better services, streamlined process

CEDA	SBD
<ul style="list-style-type: none">• Standard Practice Baseline	<ul style="list-style-type: none">• CEC T 24 w/hybrid CEC T 24 & CPUC-mandated baseline
<ul style="list-style-type: none">• Complimentary comparative energy analysis	<ul style="list-style-type: none">• Varied by utility
<ul style="list-style-type: none">• Higher cap on incentives- \$1M	<ul style="list-style-type: none">• \$150k
<ul style="list-style-type: none">• Incentives based on first year energy savings, High Performance Measure, Electrification, and Design Team Participation	<ul style="list-style-type: none">• Based on first year energy savings

If there is an energy consultant on your design team already there is still an opportunity to participate in CEDA Lite and be eligible for owner incentives and/or a technical assistance stipend based on the savings.

For CEDA Lite, project teams must

- Complete all program documentation requirements
- Adhere to program modeling protocol
- Calculate energy savings using Approved Baseline (this is not CEC Title 24 modeling)
- Receive approval for modeling approach and software tool

Technical assistance stipend available

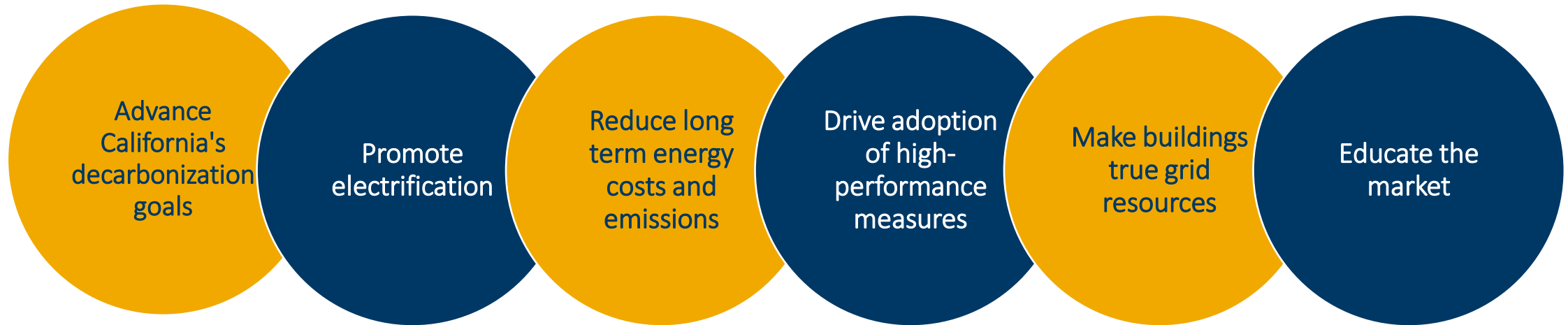
- Half paid at Project Feasibility Study acceptance
- Half paid at Verification



START YOUR DECARBONIZATION JOURNEY



Together we can achieve our goals to:



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

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.