PROGRAM GUIDE

California Energy Design Assistance

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

CEDA

WILLDAN

WHAT IS CEDA?

California Energy Design Assistance (CEDA) provides a complimentary and comprehensive analysis of different energy efficiency options and lays out their potential energy savings and incentives tailored to your specific new construction or major alteration project.

CEDA serves commercial, public, high-rise multifamily, industrial, and agricultural projects in participating service territories.

WHY CEDA?

Program participants receive the following complimentary services:

- A customized energy model simulating how energy will be used
- Assistance identifying and evaluating energy-saving measures
- Analysis of energy costs and paybacks
- Qualifying participants receive financial incentives to help offset the cost of implementing energy-saving measures
- Mechanical system comparison of multiple options
- CEDA Lite path for projects that want to provide their own technical assistance

BACKGROUND

California policy makers established a clear objective to completely decarbonize by 2045 through SB100 and similar legislation. CEDA contributes to the IOUs' efforts to achieve their share of California's ambitious energy efficiency (EE), greenhouse gas reduction, and Zero Net Energy (ZNE) goals. CEDA also contributes to the IOUs' efforts to comply with the requirements of the California Public Utilities Commission's (CPUC) Decision 16-08-019, which directed IOU administrators to transition to third-party designed and delivered programs.

ELIGIBILITY SUMMARY

- New construction and/or major alteration including institutional partnerships
- Must be in design phase or have customer willingness to modify design to improve energy efficiency
- Exceed standard practice, code and current design
- Pay / will pay the Public Purpose Program surcharge on the account where the EE measures will be installed
- Sign online application with Terms and Conditions
- No double dipping with other EE programs

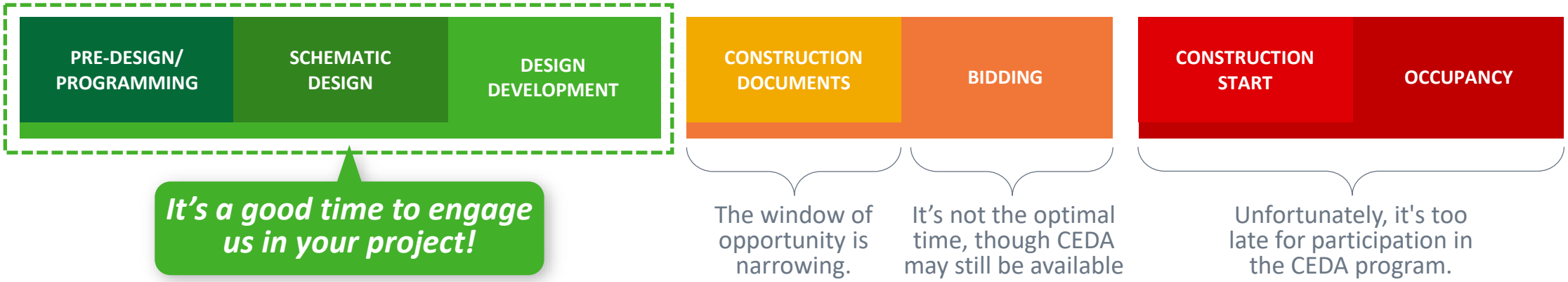
ELIGIBILITY – MAJOR ALTERATIONS

Major alterations must meet the following criteria:

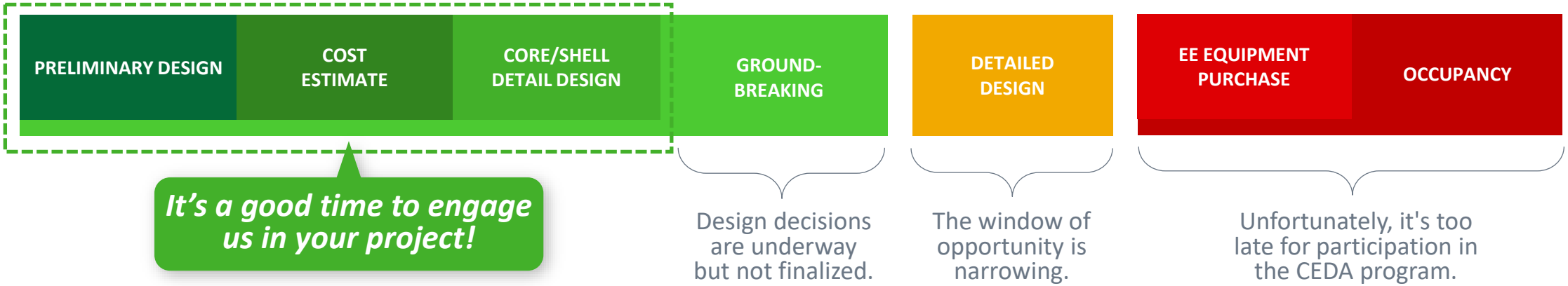
- Changes in space function (building or space occupancy type change) OR
- Substantial changes (≥30%) in design occupancy (square feet per person) OR
- Increase (≥10%) in conditioned floor area OR
- Any expansion or addition of substantial process or conditioning load to an existing facility

TIMING

TRADITIONAL DESIGN/BID/BUILD PROCESS



FAST-TRACK OR DESIGN/BUILD PROCESS



CEDA's TWO PATHS

CEDA provides two different paths to best meet customer needs. After discussing your project initiatives; we will provide you with all the details necessary for your team to decide which option is best for your project.

CEDA – MIXED FUEL

CEDA mixed fuel provides a path for customers who want to have the option to use both gas and electricity.

- Optimize gas and process heating systems to reduce carbon emissions
- Encourage facilities that can integrate with renewable generation, electric vehicle charging, and battery storage

CEDA – ALL-ELECTRIC

CEDA's all-electric path gives customers the ability to choose a track with no gas service.

- Higher cash incentives to promote electric design
- Encourage facilities that can integrate with renewable generation, electric vehicle charging, and battery storage

PROCESS

1

Enrollment

You provide schematic information about your building through our Energy Design Assistance application

2

Preliminary Analysis

Together we perform real-time evaluation of energy-efficiency measures and bundle potential whole-building strategies for further analysis

3

Final Analysis

You determine the strategies bundle that best aligns with your project goals, from which projected energy savings and utility incentives are determined

4

Verification

We confirm your project was constructed to plan and issue a final report for you and your utility provider

5

Incentives

Incentives will be issued for the strategies implemented in your project

PROCESS STEP 1

STEP 1

Enrollment

Provide schematic building information

- Scope of work and goals
- Use and size of building
- Mechanical system(s) considered
- Construction schedule

PROCESS STEP 2

STEP 2

Preliminary Analysis

Real-time evaluation of energy-efficiency measures and bundling of potential whole-building strategies to show:

- Estimated energy savings
- Implementation costs
- Payback periods
- Incentive estimates

PROCESS STEP 3

STEP 3

Final Analysis

- CPUC savings claims prepared by energy consultant and Project Feasibility Study submitted for review
- Code compliance documentation reviewed for accuracy and eligibility by Certified Energy Analysts
- Incentive project application approval and authorization to purchase EE equipment without risk to the incentive
- Project is committed and/or customer receives notice to proceed

STEP 4

Verification

Construction Completion

- Energy consultant visits site and publishes Verification Report documenting implemented strategies following review of:
- Construction plans and specifications
- Construction submittals

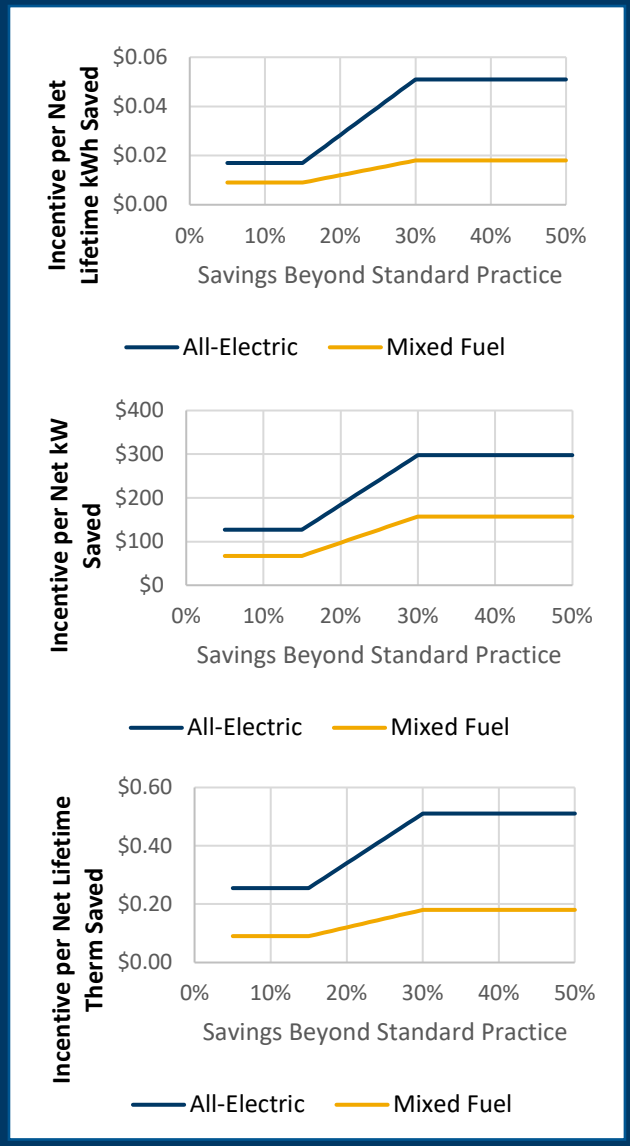
STEP 5

Owner Incentives

The program calculates potential incentives for specific bundles of measures a project is considering during early design to inform the project team's decision making. Incentives are contingent on CPUC approval of savings calculation.

INCENTIVE SUMMARY

- Based on discounted net[1] life-cycle savings beyond standard practice baseline[2]
  - Measure effective useful life ranges from 8-20 years
  - Incentive rates for kWh, peak kW, and therms saved are a sliding scale
- Designated low-income housing projects get a 40% increased incentive
- Incentives cannot reduce payback below 2 years
- 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



[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 and SBD Comparison Chart 1 of 2

Topic	California Energy Design Assistance (CEDA)	Savings by Design (SBD)
Energy Modeling for Program Incentives	Willdan's team of energy specialists provides comprehensive energy modeling required to calculate energy savings and financial incentives	Offered differing levels of design assistance, varying by utility
Baseline	CPUC Standard Practice Baseline as defined by CEDA modeling protocol	CEC Title 24 with Hybrid CEC Title 24 and CPUC-mandated baseline
Savings Threshold	Minimum of 5% reduced site kbtu	Minimum of 10% better than T24 TDV
All-Electric Incentives	Higher incentives via an all-electric pathway for projects that do not install any natural gas or propane service at their site	None
Incentives	Based on net lifetime savings	Based on first year gross energy savings
Incentive Kicker	Available for low-income housing, schools, and projects in grid-constrained service territories	None for low-income housing, schools, or grid-constrained service territories

CEDA and SBD Comparison Chart 2 of 2

Topic	California Energy Design Assistance (CEDA)	Savings by Design (SBD)
Incentives Caps	$1 million incentive cap per project and lesser of 100% incremental measure cost or 50% full measure cost	$150,000 incentive cap per project ($500,000 for Institutional Partnerships) and 100% incremental measure cost
Design Team Incentives	Design Team Stipend will be available for projects that provide their own energy modeling to calculate incentives and program documentation through the CEDA Lite program launching winter 2021/2022	SDG&E did not offer Design Team Incentives. PG&E, SCE, and SCG offered Design Team Incentives for Whole Building Approach projects that completed their own application
Influence & Incentives	Standardized approach with increased focus on influence screening and documentation early in the process to reliably meet CPUC requirements	Influence requirements evolved over time with changing CPUC requirements
Title 24 Compliance Modeling	Title 24 compliance forms are completed by the customer design team, and compliance margin is not used to determine incentive amount	Title 24 compliance modeling completed by SBD program or design team, and compliance margin was used to determine incentive amounts
Application	Apply with one simple mobile friendly online application	Applied by sending email or with a phone call and completing paperwork that varied by utility

CEDA LITE

Some design teams prefer to choose their own energy consultant to do technical assistance, modeling, and program paperwork and can still participate in CEDA Lite and be eligible for owner incentives.

- For CEDA Lite, project teams must:
  - Complete all program documentation requirements
  - Adhere to program modeling protocol
  - Calculate energy savings using CPUC Standard Practice 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 at Verification

	Per net lifetime kWh for Mixed	Per net lifetime kBTU for Elec
Technical Assistance Stipend	$ 0.0053	$ 0.0005

HAVE A PROJECT TO DISCUSS?

For more information please contact:

Jeff Glover

Program Outreach Lead

JGlover@Willdan.com

952.938.1588

GET STARTED!

CEDA

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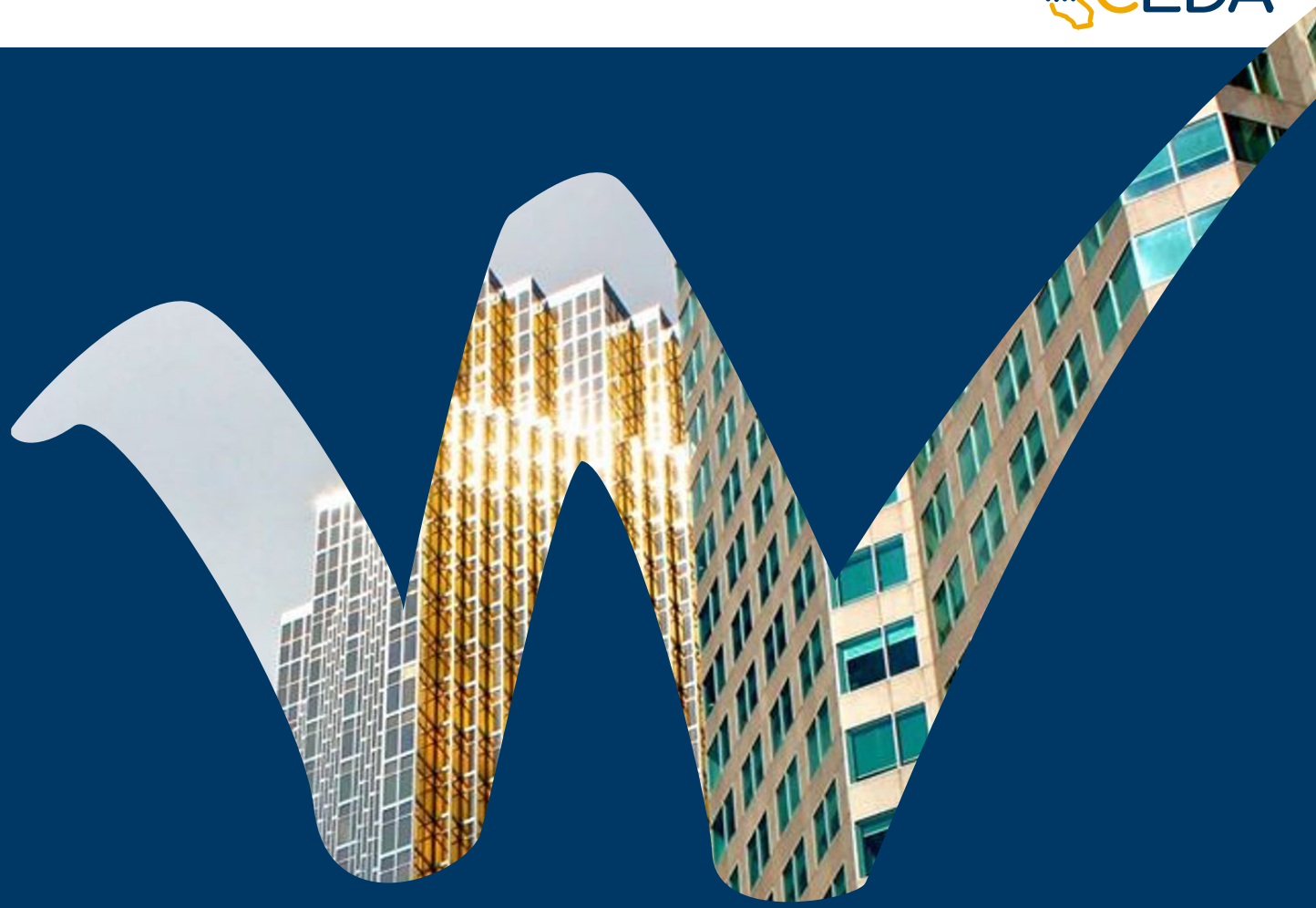

CaliforniaEDA.com

855.502.3914

The CEDA program is funded by California utility customers and administered by Pacific Gas and Electric Company under the auspices of the California Public Utilities Commission, through a contract awarded to Willdan Energy Solutions. Program funds, including any funds utilized for rebates or incentives, will be allocated on a first-come, first-served basis until such funds are no longer available. This program may be modified or terminated without prior notice. Customers who choose to participate in this program are not obligated to purchase any additional goods or services offered by Willdan Energy Solutions or any third party.