# **PROGRAM GUIDE**

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

# California Energy Design Assistance





# WHAT IS CEDA?

NEW!



California Energy Design Assistance (CEDA) provides a **complimentary analysis** of different energy efficiency options and provides potential **energy savings**, then provides **incentives** based on energy savings in **new construction or major alteration** projects.

CEDA serves commercial, public, high-rise multifamily, industrial, and agricultural projects in PG&E, SCE, SCG, and SDG&E service territories.

# **ENERGY EFFICIENCY – PROGRAM OBJECTIVES**



- Drive low-energy outcomes for building projects that would not have pursued efficiency strategies
- Help realize California's goals for clean energy that benefit everyone
- Increase electrification and decarbonization in new construction and major renovation projects



# WHY PARTICIPATE IN CEDA?

- Receive complimentary custom energy modeling
  - Get help identifying and evaluating energy-saving opportunities
- Gain analysis of energy costs and paybacks
- Receive financial incentives to help offset the costs of energy saving measures for qualified projects





# **CEDA PROGRAM ELIGIBILITY**

- New construction projects and/or major alterations
- Projects in design phase
- Exceed standard practice, code, and current design
- 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





# **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
- Optimize electric systems to maximize energy efficiency and reduce lifecycle operating costs





# **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











#### Enrollment

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



#### **Preliminary Analysis**

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



#### **Final Analysis**

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

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#### Verification

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



#### Incentives

Incentives will be issued for the strategies implemented in your project





# STEP 1 Enrollment

Provide schematic building information

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





# 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





# 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<sup>1</sup> life-cycle savings beyond standard practice baseline<sup>2</sup>
  - Project effective useful life ranges from 8-20 years based upon weighted average life of the measures
  - Fixed incentive rates for kWh, peak kW, and therms saved
- 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.

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

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

<sup>3</sup> Capped using the CPUC Non-IOU Fuel Source Analysis





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# **COMPARING CEDA TO SAVINGS BY DESIGN**



CEDA program updates provide better services, streamlined process

| CEDA                                                                                               | SBD                                                                              |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Standard Practice Baseline                                                                         | <ul> <li>CEC T 24 w/hybrid CEC T 24 &amp; CPUC-<br/>mandated baseline</li> </ul> |
| <ul> <li>Complimentary energy modeling</li> </ul>                                                  | <ul> <li>Varied by utility</li> </ul>                                            |
| <ul> <li>Higher cap on incentives- \$1M</li> </ul>                                                 | • \$150k                                                                         |
| <ul> <li>Incentives based on net lifecycle<br/>savings over useful life of<br/>measures</li> </ul> | <ul> <li>Based on first year energy savings</li> </ul>                           |

# **CEDA LITE**

Some design teams prefer to choose their own energy consultant to do technical assistance, modeling, and program paperwork. These projects can 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 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



**Assistance Stipend** 







# For more information please contact:

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**GET STARTED TODAY!** 



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.

