

GFO-25-305 Pre-Application Workshop



Non-Energy Impacts of Integrated Energy Retrofit Packages from the Equitable Building Decarbonization Program

Energy Research and Development Division

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April 24, 2026



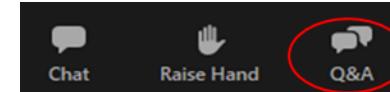
Agenda

Time	Item
9:00 am	Welcome and Introduction
9:05 am	Solicitation Background <ul style="list-style-type: none">• EPIC Research Program• Purpose of Solicitation• Available Funding
9:25 am	Application Requirements <ul style="list-style-type: none">• Project Group Requirements• Attachments• Submission Process• Evaluation Process
10:00 am	Q&As
11:00 am	Adjourn



Housekeeping

- This workshop will be recorded and posted to the CEC website.
- Attendees will be muted during the presentation. Please chat your question using the Q&A window.



- Updates to solicitation documents will be posted at the Grant Funding Opportunity's webpage:

<https://www.energy.ca.gov/solicitations/2026-04/gfo-25-305-non-energy-impacts-integrated-energy-retrofit-packages-equitable>



Commitment to Diversity

The Energy Commission adopted a resolution strengthening its commitment to diversity in our funding programs. The CEC continues to encourage disadvantaged and underrepresented businesses and communities to engage in and benefit from our many programs.

To meet this commitment, Energy Commission staff conducts outreach efforts and activities to:

- Engage with disadvantaged and underrepresented groups throughout the state.
- Notify potential new applicants about the Energy Commission's funding opportunities.
- Assist applicants in understanding how to apply for funding from the Energy Commission's programs.
- Survey participants to measure progress in diversity outreach efforts.



We Want to Hear From You!

Participation Survey

Survey responses will be summarized anonymously to track attendance of underrepresented groups in our workshops for public reporting purposes.

Online participants, please use this link:
<https://forms.cloud.microsoft/g/TbGV0afZkP>

Thanks!



Connect With Us

EMPOWER INNOVATION COMMUNITY EVENTS FUNDING RESOURCES ABOUT

CATALYZING THE CLEANTECH COMMUNITY

JOIN NOW →

A banner for Empower Innovation with a dark blue header containing the logo and navigation links. The main content area has a light grey background with large white text and a "JOIN NOW" button with a right-pointing arrow. The background image shows wind turbines.

CALIFORNIA ENERGY COMMISSION

California Energy Commission
Government Organization

Liked Following Message

Timeline About Photos Reviews More

A screenshot of the California Energy Commission's Facebook profile. The cover photo shows wind turbines on a hill. The profile picture is the California Energy Commission logo. The name and category are displayed, along with interaction buttons and a navigation menu.



Find a Partner on EmpowerInnovation.net

Empower Innovation strives to accelerate your clean tech journey with easy access to funding opportunities from the Energy Commission and other funding providers, curated resources and events, and connections to people and organizations.

FIND A PARTNER

Announce your interest in this funding opportunity and message other interested parties to find potential partners.

RESOURCES & TOOLS

Browse the collection of resources for clean tech innovators including Resource Libraries, Funding Sources, Tools, and Databases.

<https://www.empowerinnovation.net/en/custom/funding/view/52597#>



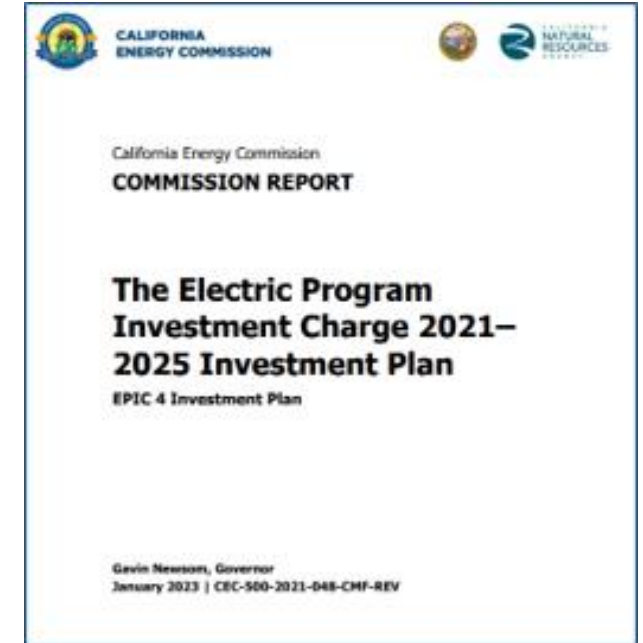
EmpowerInnovation.net





Research Program Background

- This solicitation will award and fund projects from the **Electric Program Investment Charge (EPIC) Program**, an electricity ratepayer surcharge established by the California Public Utilities Commission (CPUC) in December 2011.
 - **Strategic Objective:** “Inform California's Transition to an Equitable, Zero-Carbon Energy System that is Climate-Resilient and Meets Environmental Goals” (Chapter 7)
 - **Initiative:** Environmental Sustainability
 - **Topic 43.** Evaluating Air Quality, Health, and Equity in Clean Energy Solutions (pp. 207-212)
- The purpose of the EPIC program is to **benefit the ratepayers** of three investor-owned utilities (IOUs) by funding clean energy technology projects that promote greater electricity reliability, lower costs, and increased safety.



To access report:

<https://www.energy.ca.gov/publications/2021/electric-program-investment-charge-2021-2025-investment-plan-epic-4-investment>



Policy Drivers

AB-32 (Nunez, 2006)	Reduce GHG emissions to 1990 levels by 2020.
SB 32 (Pavley, 2016)	Reduce GHG emissions to 40% below 1990 levels by 2030.
AB 3232 (Friedman, 2018)	Required CEC to develop California Building Decarbonization Assessment.
AB 209 (Ting, 2022)	Authorized Equitable Building Decarbonization Program.
Non-Energy Impacts OIIP (2024)	Identifies need to incorporate NEIs in planning, processes, and decisions.

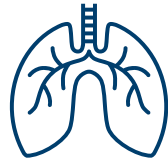


Motivation

Opportunities for Ratepayer Benefits



Low-income households receiving retrofits (EBD Program)



Results in non-energy impacts



Better capture costs and benefits of energy transition



Promote most beneficial technologies and processes



Purpose of Solicitation

- Applied research intended to assess the impact of consolidated packages of electrified retrofit measures on air quality and other non-energy impacts.
- Research will leverage a study sample from the EBD Statewide Direct Install Program.
- Ultimately, this work will provide guidance on how these benefits could be considered in electrification strategies.



Available EPIC Funding

Project	Available Funding	Minimum Award Amount	Maximum Award Amount
Non-Energy Impacts of Integrated Energy Retrofit Packages from the EBD Program	\$3,000,000	\$2,900,000	\$3,000,000



Non-Energy Impacts of Integrated Energy Retrofit Packages from the EBD Program

Applicants must demonstrate a capacity for:

- Collaboration with California's EBD Program to identify a study sample out of the homes receiving retrofits.
- Meaningful and justified sample size of homes.
 - Identification of geographic region(s) of California in which researchers are prepared to conduct fieldwork.
 - Applicant must demonstrate sufficient scope and flexibility to enable harmonization with EBD program implementation, details of which will be evolving and are outside the scope of EPIC funds.
 - Inclusion of a diverse sample of homes in terms of housing type, climate zone, and geography (with two or more communities represented).
- Proposed plan for coordinated outreach for home recruitment and surveying to ensure EBD program administrator and research team communications with EBD participants are not duplicative.
- Development of metrics and analytical approaches to evaluate air quality and other impacts such as health impacts, comfort, heat resilience, and energy costs of the residents and/or homeowners.
 - Applicants must discuss methods to measure impact metrics of interest.
 - Applicants must discuss how this adds value to (and is not duplicative of) what has been proposed, and is being implemented, by EBD program administrators.



Non-Energy Impacts of Integrated Energy Retrofit Packages from the EBD Program

Applicants must demonstrate a capacity for:

- Measurement of performance of new measures for indoor air quality and related impacts such as health impacts, comfort, heat resilience, and costs before and after the installations.
- Development of insights into what works and does not work for residents and/or homeowners and contractors to situate programs for success.
- Research to illuminate how to scale up an integrated retrofitting approach and the associated costs, barriers, and benefits of scaling up.
- Based on the field data and observations, articulation of strategies for reducing cost and enhancing benefits, communicating the non-energy and indirect benefits, and best practices for interested parties.
 - Presentation of findings to the EBD Program.



Non-Energy Impacts of Integrated Energy Retrofit Packages from the EBD Program

Proposed research may include:

- Development of metrics and measurement of other non-energy impacts to households, workforce, and other interested parties.

To facilitate coordination with the EBD program, staff from the CEC will:

- Support researchers' coordination with EBD program administrators to identify a sufficiently large sample of homes, with a range of retrofit packages, for researchers to conduct pre- and post-installation measurements.



Additional Requirements

- Applicants should demonstrate familiarity with **publicly available materials** related to the EBD Statewide Direct Install Program and with regional administrators' approaches and make clear how the proposed research adds value and is not duplicative.



Eligible Applicants

- This is an open solicitation for public and private entities.
- Applicants must accept applicable EPIC terms and conditions.
 - Standard, UC, and DOE T&Cs available online: <https://www.energy.ca.gov/funding-opportunities/funding-resources>
- Applicants are encouraged to register with the California Secretary of State, as all recipients must be registered and in good standing to enter into an agreement with the Energy Commission: <http://www.sos.ca.gov>



Application Requirements

Each Applicant must complete and including the following:

1. Executive Summary (.docx)	8. Past Projects Information Form (.docx, .pdf)
2. Project Narrative (.docx)	9. Commitment and Support Letters (.pdf)
3. Project Team (.docx, .pdf)	10. Project Performance Metrics
4. Scope of Work (.docx)	11. Applicant Declaration (.docx)
5. Project Schedule (.xlsx)	
6. Budget (.xlsx)	
7. CEQA Compliance Form (.docx)	



Project Narrative (Attachment 2)

- This is your opportunity to explain the entirety of the project. The narrative should explain:
 - Why is your project necessary and important to California?
 - What is your project approach and how will each major task be implemented?
 - How will the project be completed in the term proposed
 - Does the project have the appropriate resources (team and budget) to complete successfully?
 - How will the project outcomes benefit electric ratepayers?
 - Address the requirements for your group as described in Section I.C.

Respond to the scoring criteria described in Section IV.F.



Scope of Work (Attachment 4)

- Tell us exactly what you are proposing to do in your project.
- Identify what will be delivered to the Energy Commission.
- Be sure to include in the technical tasks:
 - At least one product deliverable per task.
 - Address requirements in Section I.C. under Project Focus.
- Be sure to include in the Project Schedule (Attachment 5):
 - Product deliverables that correspond with the Scope of Work.
 - Realistic dates on when product deliverables can be completed.



Budget (Attachment 6)

- Identify how the Energy Commission funds and match funds will be spent to complete the project.
- Subrecipients receiving \$100,000 or more Energy Commission funds must complete a separate budget form.
- Ensure that all rates provided are **maximum** estimated rates for the entire project term and any potential increases are included.
- Travel Restrictions:
 - CEC funds should be limited to project task specific in-state travel.
 - Travel to conferences are generally not considered applicable travel for projects and should not use CEC funds.



Commitment and Support Letter Forms (Attachment 9)

- Follow guidelines provided for commitment and support letters.
 - Commitment letters are required for entities or individuals that are committing match funding, testing/demonstration sites, including the **Applicant** (prime).
 - Support letters describe a project stakeholder's interest or involvement in the project.
- All applicants must submit **at least one** support letter.
- Match funding must be supported by a match fund commitment letter(s).
- Any project partners that will make contributions to the project (other than match and sites) must submit a commitment letter.
- Limit to two pages per letter, excluding the cover page.



GFO Submission Requirements

- Applicants must have or must create a user account to submit a solicitation application. To create an account, please see the guidance **User Registration Instructions** at:

<https://www.energy.ca.gov/media/7893>

Note: One account manager per organization, but users can be added by account manager

- Applications must be submitted through the **Energy Commission Agreement Management System (ECAMS)** at: <https://ecams.energy.ca.gov/>

The screenshot displays the California Energy Commission website. At the top, there is a search bar and a navigation menu. The main content area features a large banner with the text "Welcome! Funding Opportunities" and a "View Content" button. Below the banner, a paragraph states: "The California Energy Commission offers a variety of funding opportunities to advance the State's transition to clean energy and transportation through innovation, efficiency, and the development and deployment of advanced technologies." The page is organized into a grid of six featured sections, each with a representative image and a brief description:

- Funding Workshops:** Find upcoming workshops to learn about opportunities, ask questions, network, and meet potential project partners.
- Awards:** Information about the California Energy Commission's awards, including notices of proposed awards and notices of selection.
- Funding Resources:** Guides, forms, templates, and other resources for individuals applying for funding opportunities that the California Energy Commission offers.
- ECAMS Grant Resources:** Templates, forms, and tools for the awarding process and agreement management in general.
- Empower Innovation:** Empower Innovation is an initiative of the California Energy Commission, in partnership with leading California technology accelerators, fellowship programs, nonprofits, and private partners.
- Salesforce Training:** How to apply for solicitations and submit invoices.

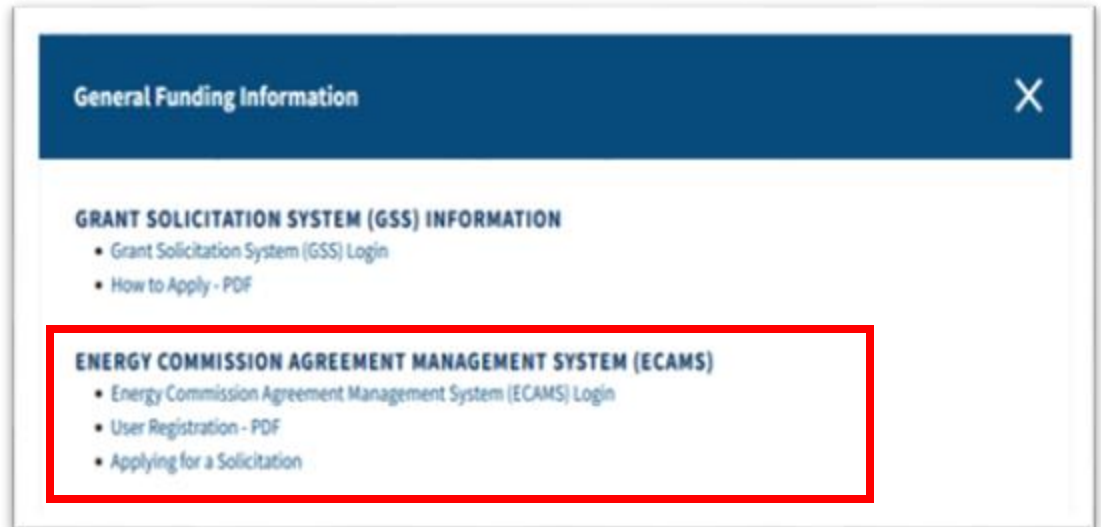
At the bottom of the page, there is a "Contact" section with the email address ecams.salesforce.support@energy.ca.gov.



GFO Submission Requirements (cont.)

- For detailed instructions on application submittal, please see the *Applying for a Solicitation* at: <https://www.energy.ca.gov/media/7956>

- Both referenced guidance documents are available at: <https://www.energy.ca.gov/funding-opportunities/funding-resources> under General Funding Information.



- Questions with the ECAMS system should be directed to: ECAMS.SalesforceSupport@Energy.ca.gov



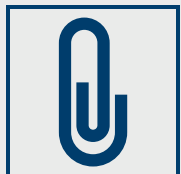
GFO Submission Requirements (cont.)



Electronic files, other than those requiring signatures, must be consistent with the specific file format provided in the solicitation.



Application documents should meet formatting requirements, and page recommendations as specified in the solicitation manual.



Attachments requiring signatures (Application Form and Support/Commitment Letters) may be signed, scanned, and submitted in PDF format.



Submission Warning

START THE PROCESS EARLY!

- Applications must be fully submitted **BEFORE** the deadline listed in the solicitation manual.
- The ECAMS system will reject applications submitted after the deadline.
- Applications in the process of being submitted prior to the deadline will **NOT** be accepted after the deadline.
- ECAMS support is **ONLY** available from 8am – 5pm Monday-Friday.



Application Submission

- Register as a New User (if applicable)
- Log In
- 4-Step Application Submittal Process:
 1. Select Solicitation
 2. Enter Application Information
 3. Upload Files
 - Select documents for upload
 - Tag files with document type
 - Designate confidential documents (if applicable)
 4. Review and Submit
 - Confirmation from ECAMS system that submission was successful

All steps must be complete **BEFORE** the submission deadline

Application Reminders



We recommend you carefully review your application before submission.

- Verify that all necessary documents have been uploaded.
- Verify that all documents uploaded are the accurate version you intend to submit as your final.
- Verify that your documents are not marked "confidential" unless the solicitation allows specific material to be confidential. Most solicitations do not allow submission of confidential information.
- Verify that your match commitment letters accurately reflect the match amounts included in your budgets, including the match provided by the prime applicant.
- Verify that support and commitment letters are included, if required.
- Verify that amounts entered within the system's budget (if any) concur with information included on uploaded budget worksheets.



How will my Application be Evaluated?

Application Screening

Admin Screening Process

- Energy Commission staff screens applications per criteria in Section IV.E.
- Criteria are evaluated on a pass/fail basis.
- Applicants must pass all screening criteria, or the application will be disqualified.

Some Reasons for Disqualification

- Application is not submitted by the specified due date and time.
- Application does not include one or more support letters.
- Application contains confidential material.



How will my Application be Evaluated?

Application Scoring

- **Evaluation Committee applies the scoring scale to the scoring criteria.**
- **Applications must obtain a minimum passing score of 52.5 points for Criteria 1-4 in order to continue evaluation.**
- **Applications must obtain a minimum passing score of 70 points for Criteria 1-7 in order to be considered for funding.**
- **Review Section IV of the manual and ensure the application provides a clear and complete response to each scoring criteria.**

Scoring Criteria	Maximum Points
1. Technical Merit	15
2. Technical Approach	25
3. Impacts and Benefits for CA IOU Ratepayers	20
4. Team Qualifications, Capabilities, and Resources	15
5. Budget and Cost-Effectiveness	10
6. CEC Funds Spent in California	10
7. Ratio of Direct Labor Costs to Indirect Costs	5
Total	100
Minimum Points to Pass	70



Next Steps After Grant Award

Notice of Proposed Award: Shows total proposed funding amounts, rank order of applicants by project group, and the amount of each proposed award.

Applicant Debriefings: Applicants may request a debrief of their application evaluation within 30 days of the NOPA posting.

Agreement Development: Proposal documents will be processed into a legal agreement.

Failure to Execute: The Energy Commission reserves the right to cancel the pending award if an agreement cannot be successfully executed with an applicant.

Project Start: Recipients may begin work on the project **only** after the agreement is fully executed (approved at an Energy Commission business meeting and signed by the Recipient and the Energy Commission).



Key Dates

Activity	Date
Solicitation Release	April 9, 2026
Pre-Application Workshop	April 24, 2026 at 9:00am
Deadline for Written Questions	May 8, 2026 at 5:00 pm
Anticipated Distribution of Questions and Answers	Week of May 25, 2026
Deadline for ECAMS Submission Support	Ongoing until July 10, 2026 at 5:00 pm
Deadline to Submit Applications	July 10, 2026 at 11:59 pm
Anticipated Notice of Proposed Award Posting	Week of Sep. 21, 2026
Anticipated Energy Commission Business Meeting	Dec. 9, 2026
Anticipated Agreement Start Date	Feb 1, 2027
Anticipated Agreement End Date	March 31, 2030



Questions and Answers



Please chat your question into the Q & A window or raise your hand and you will be called on to unmute yourself. Please remember to introduce.



Keep questions under 2 minutes to allow time for others.



Note that our official response will be given in writing and posted on the GFO webpage.



Additional Questions

Please send all questions related to GFO-25-305 to:

Natalie Johnson

Commission Agreement Officer

1516 Ninth Street, MS-18

Sacramento, CA 95814

Natalie.Johnson@energy.ca.gov

Deadline to submit questions:

May 8, 2026 5:00 PM



Thank You!