



GFO-24-609 Pre-Application Workshop

Charging Interoperability and Collaboration Yard (Charge Yard)

Presenter: Taylor Nguyen, Solicitation Manager
Fuels and Transportation Division
April 4th, 2025| 09:00 - 11 a.m.



Workshop Agenda

- Welcome and Introductions
 - Housekeeping
 - Clean Transportation Program
- Solicitation Overview
 - Process
 - Purpose
 - Eligibility
 - Funding
- Application Components
- Application Evaluation
 - Evaluation Criteria
- Application Submittal
- Questions & Answers
- Next Steps



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Housekeeping

- Workshop is recorded on Zoom
- Grant Funding Opportunity Webpage:
<https://www.energy.ca.gov/solicitations/2025-03/gfo-24-609-charging-interoperability-and-collaboration-yard-charge-yard>
- Virtual Participation via Zoom or telephone during the Q&A period
- Written Questions to Commission Agreement Officer:
Chester Hong, email: Chester.Hong@energy.ca.gov
Subject: GFO-24-609
Q&A Deadline: Friday, April 18, 2025, by 5:00 PM



Commitment to Diversity

The CEC 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 comment, CEC staff conducts activities to:

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



Diversity Survey



Scan the code on a phone or tablet with a QR reader to access the survey.

One Minute Survey

The information supplied will be used for public reporting purposes to display anonymous overall attendance of diverse groups.

Zoom Participants, please use the link in the chat to access the survey or scan the QR code on the left of the screen with a phone or tablet to access the survey.

Survey will be closed at the end of the day.

Survey Link: <https://forms.office.com/Pages/ResponsePage.aspx?id=RBI6rPQT9k6NG7qicUgZTtQ-G7GrbGJFmZJPv38ckjJUQkMyWVlwRzBVT01GVTU5RTNGNzIHVVNGSS4u>



Clean Transportation Program

- Established in 2007 by Assembly Bill 118 (2007)
- Extended to July 1, 2035, by Assembly Bill 126 (2023)
- Provides approximately \$100 million of funding per year
- Investment Plan determines funding allocations across various categories



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Solicitation Overview

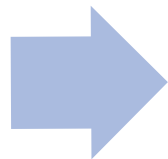
GFO-24-609

Charging Interoperability and Collaboration Yard

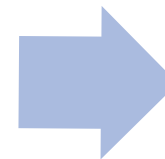


Solicitation Process

Pre-Solicitation
Workshop
Nov. 2024

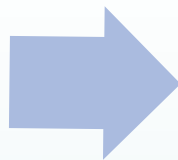


Solicitation
Release
March 2025



Applications
Due
June 2025

Notice of
Proposed
Awards
Q3 2025



CEC Business
Meeting
Q4 2025



Project Start
Q1 2026



Purpose of Solicitation

- Facilitate collaborative testing and standardization for electric vehicle charging.
- Provide an open and neutral space for industry collaboration, knowledge sharing, exploration of next-generation use cases.
- Support the development of interoperability standards.



Eligible Applicants

- All public and private entities
 - Universities and Investor-Owned Utilities are NOT eligible.
- Applicants must accept the Terms and Conditions, without negotiation.
- Applicants are required to register with the California Secretary of State and be in good standing to enter into an agreement with the CEC.





Applications and Awards

- One application allowed per applicant.
- The CEC will screen and score applications.
- The project with the highest overall ranking and at least the minimum passing score will be recommended for funding.



Available Funding and Match Share

- A total of \$4 million is available under this solicitation.
- The maximum grant award per project is \$4 million.
- 33% cash match share requirement.





Project Costs

Eligible project costs include:

- Facility planning, design, and engineering
- Facility installations and modifications
- Facility equipment, such as resident EVSE
- Facility materials and supplies
- Facility lease expenses during the term of the agreement
- Staff, staff training, and labor expenses
- Testing hardware, including but not limited to:
 - Power cyclers and grid emulators
 - EV/EVSE emulators
 - Communication sniffers
 - Scopes/power analyzers
 - Utility-related communication hardware
 - Bidirectional charging-related hardware
- Testing software, including but not limited to:
 - Test execution and instrument control software
 - Conformance testing software
 - Cybersecurity testing software
 - Data analytics software
 - Lab operations software



Application Components



Application Content (p. 21)

Item	Action Needed by Applicant
Project Narrative (Attachment 1)	Complete the attachment
Scope of Work Template (Attachment 2)	Complete the attachment
Schedule of Products and Due Dates (Attachment 4)	Complete the attachment
Proposal Budget (Attachment 5)	Complete the attachment
Resumes (Attachment 6)	Complete the attachment
Contact List (Attachment 7)	Complete the attachment
Letters of Commitment (Attachment 8)	Complete the attachment
Letters of Support (optional) (Attachment 9)	Complete the attachment
CEQA Worksheet (Attachment 10)	Complete the attachment
Localized Health Impacts Information Form (Attachment 11)	Complete the attachment
Past Performance Reference Form(s) (Attachment 12)	Complete the attachment(s)
Applicant Declaration (Attachment 13)	Complete the attachment
<i>Scope of Work Instructions (Attachment 3)</i>	<i>None</i>



General Application Information

- With the ECAMS application process, Applicants will input application information directly into the web platform
- Sign up at: <https://ecams.energy.ca.gov/s/login/>

A screenshot of the login page for the Energy Commission Agreement Management System. The page has a blue header with the California Energy Commission logo and navigation icons. The main content area is white and contains the title "Energy Commission Agreement Management System". Below the title are two input fields: "Username" and "Password". A blue "Log In" button is positioned below the password field. At the bottom of the form, there are two links: "Forgot your password?" and "New User Sign Up?".

Energy Commission Agreement Management System

Username

Password

Log In

[Forgot your password?](#) [New User Sign Up?](#)



Project Narrative (Attachment 1)

- **Applicants must submit a project narrative**
- Limited to 12 pages
- Use 11-point font, single-spaced and a blank line between paragraphs
- Include page numbers
- **Project Narrative must address each scoring criterion described in the Evaluation Criteria (pp. 32-36)**

1. Project Narrative

The applicant shall submit a project narrative describing the proposed project and how it meets all project requirements. For each of the project requirement categories listed in Section II-B, the project narrative shall include a corresponding section explaining how the project will meet those requirements through tasks described in the Scope of Work. The project narrative will be evaluated against the scoring criteria described under Section IV.E.

E. EVALUATION CRITERIA

Criterion	Possible Points
1. Physical Space Applications will be evaluated on the degree to which the project site proposal: <ul style="list-style-type: none">• Will be located in California.• Is sized to accommodate testing for at minimum twelve large EVSE and four vehicles.• Will include spaces for multi-party testing and indoor meetings.• Is capable of fully powering and testing a 150 kW charger, at minimum, with higher scores for facilities with higher power capacity.• Includes plans for interconnecting the bidirectional charging infrastructure to the grid.• (Optional) Describes plans to accommodate medium- and heavy-duty vehicles, with bonus points awarded for projects with this accommodation.	25



Table of Contents

- The Project Narrative must include a Table of Contents.
- Table of Contents will not count towards the 12-page limit.



Scope of Work (Attachment 2)

- Applicants must complete Attachment 2.
- Describe exactly what the project will do.
- Identify what will be delivered to the CEC.
- Be sure to include in the technical tasks:
 - At least one product deliverable per task.

<Insert Recipient/Applicant Name>

Attachment 02 Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

<Insert the Task numbers and Task names for your Agreement. Applicants may leave the CPR column blank.>

Task #	CPR	Task Name
1		Administration
2		<Insert Task Name>
3		<Insert Task Name>
<Etc.>		<Insert Task Name>
<Etc.>		<Insert Task Name>
<Second to Last Task>		Data Collection and Analysis
<Last Task>		Project Fact Sheet

KEY NAME LIST

<Insert the Task numbers and the Key names for each Task in your Project. Include Key names only if the value of the project would significantly change without those personnel, subcontractors, or partners. Add additional lines as needed. Alternatively, you may delete this table if there are no key names.>

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	<Name>	<Name>	<Name>
2	<Name>	<Name>	<Name>
3	<Name>	<Name>	<Name>
<Etc.>	<Name>	<Name>	<Name>

GLOSSARY

Specific terms and acronyms used throughout this scope of work are defined as follows:

Term/ Acronym	Definition
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CEC	California Energy Commission



Schedule of Products and Due Dates (Attachment 4)

- Applicants must complete Attachment 4.
- Add tasks and product deliverables that correspond to the Scope of Work.
- Provide realistic dates on when product deliverables can be completed.
- The project must be completed by Jan. 2031.

Attachment 04 Exhibit A-1 Schedule of Products and Due Dates			
Task Num	Task Name	Product(s)	Due Date
1.1	Attend Kick-off Meeting		
		Updated Schedule of Products	<Insert Date>
		Updated List of Match Funds	<Insert Date>
		Updated List of Permits	<Insert Date>
		Written Statement of Match Share Activities	<Insert Date>
		Kick-Off Meeting Agenda (CEC)	<Insert Date>
1.2	Critical Project Review Meetings		
		CPR Report	<Insert Date>
	1st CPR Meeting	CPR Meeting Agenda (CEC)	<Insert Date>
		Schedule for written determination (CEC)	<Insert Date>
		Written determination (CEC)	<Insert Date>
	<Add as many CPRs as required>	<Utilize same products as 1st CPR Meeting>	<Insert Date>
		<Utilize same products as 1st CPR Meeting>	<Insert Date>
1.3	Final Meeting		
		Written documentation of meeting agreements	<Insert Date>
		Schedule for completing closeout activities	<Insert Date>
1.4	Monthly Calls		
		Email to CAM concurring with call summary notes	Within 5 days of receipt
1.5	Quarterly Progress Reports		
		Quarterly Progress Reports	10th day of each January, April, July, and October
1.6	Final Report		
		Final Outline of the Final Report	<Insert Date>
		Draft Final Report (no less than 60 days before the end term of the agreement)	<Insert Date>
		Final Report	<Insert Date>
1.7	Identify and Obtain Match Funds		
		A letter regarding match funds or stating that no match funds are provided	<Insert Date>
		Copy(ies) of each match fund commitment letter(s) (if applicable)	<Insert Date>
		Letter(s) for new match funds (if applicable)	Within 10 days of identifying new match
		Letter that match funds were reduced (if applicable)	Within 10 days of identifying reduced funds



Proposal Budget (ECAMS Entry)

- **OPTION 1**
- Applicants enter budget information directly into ECAMS for Prime Applicant ONLY and upload Excel Attachment 5 for both Prime and Major Subrecipient(s)
- Identify how CEC funds and match funds will be spent to complete the project
- For more information on the CEC budget forms, visit the [CEC ECAMS Resources](https://www.energy.ca.gov/funding-opportunities/funding-resources/ecams-resources) webpage at: <https://www.energy.ca.gov/funding-opportunities/funding-resources/ecams-resources>

Details Attachments Past Agreements Budget Summary **Direct Labor** Fringe Benefits Travel Equipment Materials & Miscellaneous More

Direct Labor Hourly (0) ⌂ New

JOB CLASSIFICATION	LABOR RATE (\$ PER HOUR)	# OF HOURS	RATE X HOURS	CEC SHARE VALUE	MATCH SHARE VALUE	TOTAL
No data returned						

Direct Labor Monthly (0) ⌂ New

JOB CLASSIFICATION	LABOR RATE (\$ PER MONTH)	# OF MONTHS	RATE X MONTHS	CEC SHARE VALUE	MATCH SHARE VALUE	TOTAL
No data returned						

Direct Labor - Hourly

Job Classification Highest Estimated Labor Rate (\$ per hour) # of Hours

* CEC Share Value * Match Share Value

☐ Include Indirect Cost ⓘ ☐ Include Profit ⓘ

☐ Add more Direct Labor

Cancel Save



Budget Forms (Attachment 5)

- **OPTION 2**
- Upload all budgets (Prime and Major Subrecipients) as MS Excel attachments
- Follow Budget Instructions
- Identify how CEC funds and match funds will be spent to complete the project
- For more information on the CEC budget forms, visit the [CEC ECAMS Resources](https://www.energy.ca.gov/funding-opportunities/funding-resources/ecams-resources) webpage at: <https://www.energy.ca.gov/funding-opportunities/funding-resources/ecams-resources>

PROPOSAL BUDGET			
Category Budget			
Agreement Number	GFO-21-603		
Name of Organization	Organization Name		
Select Recipient or Subrecipient			
Select your company's California Business Certifications			
Cost Category	CEC Share	Match Share	Total
Direct Labor	\$ -	\$ -	\$ -
Fringe Benefits	\$ -	\$ -	\$ -
Total Labor	\$ -	\$ -	\$ -
Travel	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -
Materials/Miscellaneous	\$ -	\$ -	\$ -
Subrecipients/Vendors	\$ -	\$ -	\$ -
Total Other Direct Costs	\$ -	\$ -	\$ -
Indirect Costs	\$ -	\$ -	\$ -
Profit (not allowed for grant recipients)	\$ -	\$ -	\$ -
Total Indirect and Profit	\$ -	\$ -	\$ -
Grand Totals	\$ -	\$ -	\$ -
Total LEL Reimbursable Funds Spent in California or Paid to California-Based Entities (if applicable)	\$ -		
Percentage of CEC Reimbursable Funds Spent in California or Paid to California-Based Entities			



Resumes (Attachment 6)

- Applicants must include resumes for key personnel identified in the application.
- Resumes are limited to a maximum of 2 pages each.

FIRST LASTNAME

Construction Worker
Seattle, WA
firstlast@email.com
555-555-5555

Effective at using forklift's, hand trucks and pallet jacks to move merchandise. Skilled at inspecting stock, tagging product and updating computer tracking systems. Well-versed in warehouse operations, inventory audits and loading and unloading procedures.

Eligible to work for any employer in the U.S.

WORK EXPERIENCE

Construction Worker

NewCompany January 2018 to Present

Unpacked and assembled all new merchandise using variety of power tools and lean manufacturing. Heavy Lifting, Measuring, Organize Building Materials, Read and Interpret Drawings. Safety. Supported technicians in equipment maintenance and repair. Organized Warehouse Operations.

Crew Lead

CompanyCo, Inc July 2017 to December 2017

Trained employees so that they were well-educated in time management and the proper ways to complete their job duties. Utilized all machinery and equipment while observing various safety precautions and practices. Ensured that job tasks were completed to standards and in accordance with company guidelines. Maintained the job site on a daily basis and checked to see that all trash and refuse was removed. Completed daily forklift safety checklists. Located proper slots on storage racks and set pallets in place with forklift and pallet jack.

EDUCATION

High school or equivalent

Ged Program - NewCity, NC
April 2015 to February 2016



Contact List (Attachment 7)

- Applicants must complete Attachment 7.
- Include the appropriate points of contact under the Recipient column.
- The CEC will complete the CEC points of contact during agreement development.

Attachment 06 CONTACT LIST

Please complete the information in the "Recipient" column.

California Energy Commission	Recipient
Commission Agreement Manager: (TBD by Commission) California Energy Commission 715 P Street, MS-6 Sacramento, CA 95814 Phone: (916) XXX-XXXX e-mail:	Project Manager: Name Company Name Street Address City, State ZIP Phone: (XXX) XXX -XXXX Fax: (XXX) XXX -XXXX e-mail:
Confidential Deliverables/Products: California Energy Commission Contracts, Grants, and Loans Officer 715 P Street Sacramento, CA 95814 Phone: (916) 767-4991	Administrator: Name Company Name Street Address City, State ZIP Phone: (XXX) XXX -XXXX Fax: (XXX) XXX -XXXX e-mail:
Invoices, Progress Reports and Non-Confidential Deliverables to: California Energy Commission Accounting Officer 715 P Street Sacramento, CA 95814 e-mail: invoices@energy.ca.gov	Accounting Officer: Name Company Name Street Address City, State ZIP Phone: (XXX) XXX -XXXX Fax: (XXX) XXX -XXXX e-mail:
Legal Notices: Tatyana Yakshina Grants Manager California Energy Commission 715 P Street, MS-18 Sacramento, CA 95814 Phone: (916) 827-9294 e-mail: tatyana.yakshina@energy.ca.gov	Recipient Legal Notices: Name Company Name Street Address City, State ZIP Phone: (XXX) XXX -XXXX Fax: (XXX) XXX -XXXX e-mail:



Letters of Commitment (Attachment 8)

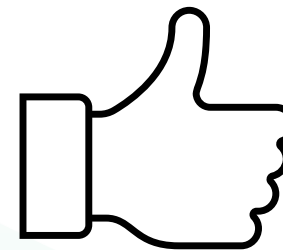
- Applicants must include a letter of commitment from each match fund source as well as key project partners.
 - Key Project Partners: must demonstrate their ability to fulfill identified roles.
 - Match Share Contributors: must identify intended amount of match committed, the funding sources, and contact information.





Letters of Support (Attachment 9)

- Applicants are encouraged to submit letter(s) of support that substantiate the demand and/or benefits of the project
 - Third-party letters of support can be provided by (but are not limited to): air districts, state or federal agencies, local safety officials, potential project users, etc.





CEQA Worksheet (Attachment 10)

- Applicants must submit a completed Attachment 10.
- The CEC requires this information to assist with our CEQA determinations.
- The project site may be an existing structure or facility, an expansion, or built.

ATTACHMENT 07

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) WORKSHEET

The California Environmental Quality Act (CEQA) (Public Resources Code §§ 21000 et seq.) requires public agencies to identify the significant environmental impacts of their actions and to avoid or mitigate them, if feasible.¹ Under CEQA, an activity that may cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment is called a "project." (Public Resources Code § 21065.) Approval of a contract, grant, or loan may be a "project" under CEQA if the activity being funded may cause a direct physical change or a reasonably foreseeable indirect physical change in the environment. Agencies must comply with CEQA before they approve a "project." This can include preparing a Notice of Exemption or conducting an Initial Study and preparing a Negative Declaration, a Mitigated Negative Declaration, or, if there are significant impacts, an Environmental Impact Report.

The Lead Agency is the public agency that has the greatest responsibility for preparing environmental documents under CEQA, and for carrying out, supervising, or approving a project. Where the award recipient is a public agency, the Lead Agency is typically the recipient. Where the award recipient is a private entity, the Lead Agency is the public agency that has greatest responsibility for supervising or approving the project as a whole.² When issuing contracts, grants or loans, the Energy Commission is typically a "Responsible Agency" under CEQA, which means that it must make its own CEQA findings based on review of the Lead Agency's environmental documents. If the Energy Commission is the only public agency with responsibility for approving the project, then the Energy Commission must act as the Lead Agency and prepare its own environmental documents before approving the project.

This worksheet will help the Energy Commission determine what kind of CEQA review, if any, is necessary before it can approve the award, and which agency will be performing that review as a Lead Agency. Please answer all questions as completely as possible. It may also help you to think through the CEQA process necessary for your proposed project. The Energy Commission may request additional information in order to clarify responses provided on this worksheet.

¹ For a brief summary of the [CEQA process](http://ceres.ca.gov/ceqa/summary.html), please visit <http://ceres.ca.gov/ceqa/summary.html>.

² 14 C.C.R. §§ 15050, 15051. The Lead Agency typically has general governmental powers (such as a city or county), rather than a single or limited purpose (such as an air pollution control district).



Local Health Impacts Information Form (Attachment 11)

- Applicants must complete Attachment 11.
- The CEC requires this information for a Localized Health Impacts report.

Attachment 08

LOCAL HEALTH IMPACTS INFORMATION

Air Quality Guidelines (California Code of Regulations, Title 13, Chapter 8.1, Section 2343(c)(6)(A)) require the Energy Commission to analyze the aggregate locations of the funded projects, analyze the impacts in communities with the most significant exposure to air contaminants or localized air contaminants, or both, including, but not limited to, communities of minority populations or low-income populations, and identify agency outreach to community groups and other affected stakeholders.

This information must be provided for all AB 118 funding categories, including fueling stations, fuel production, feedstock production or procurement, and vehicle or technology component production.

INSTRUCTIONS

Please complete the following information *for all sites where work for the proposed project that will require a permit will be done*. Attach additional pages if necessary. If the project includes multiple sites, you may submit this information in a table format using the bolded font below as column headers.

PROJECT NAME

APPLICANT'S NAME AND ORGANIZATION

PROJECT SITE(S) DESCRIPTION

Provide the precise street address(es) of the site(s) and a description of existing infrastructure or facilities (if any), surrounding structures, reference to any regional plans or zoning requirements for each location, and its proximity to residences, day care facilities, elder care facilities, medical facilities, and schools.

(E.g., Site 1: 123 Main Street, Grand Terrace, CA, 92313, Vacant lot in a commercially zoned area. Commercial buildings surround the lot. No residences, daycare facilities, elder care facilities, medical facilities or schools within ¼ mile; Site 2: 321 Beach Street, San Francisco, CA, Existing gasoline/diesel fueling station. Residential area within 200 on South and East ends of project site.)

DEMOGRAPHIC DATA

Provide demographic data at the city or Zip code level for either the project location or the location of the potential health impacts, including:

- Total population
- Median education level
- Unemployment rate
- Percentage of minorities (by ethnicity)



Past Performance Reference Form (Attachment 12)

- Applicants must complete Attachment 12 to provide references for:
 - Agreements with the CEC received by the Applicant in the last 10 years.
 - The five most recent agreements with other public agencies received by the Applicant within the past 10 years.
- References must include a contact person name and phone number or email address. These persons may be contacted by CEC staff.
- Applicants should fill out a separate Past Performance Reference Form for each agreement reference.

Attachment 10
GFO-21-603
PAST PERFORMANCE REFERENCE FORM

Provide references for CEC agreements (e.g., contracts, grants, or loans) received by the Applicant in the last 10 years and the 5 most recent agreements with other public agencies within the last 10 years to verify Applicant's past performance. Each reference must include a contact person name and phone number (or email address). If contacted by California Energy Commission staff, references should be able to speak to Applicant's ability to successfully complete projects in a timely manner.

In response to Section III.D.2.d, Team Experience and Qualifications, if the team's experience and qualifications includes a specific project(s) under current or prior agreements with public funding (e.g., contract, grant, or loan), the Applicant must also submit a Past Performance Reference Form(s) for the project(s), even if the team member is not the primary Applicant.

Applicants should fill out a separate Past Performance Reference Form for each reference.

Reference Contact Information

Name of Organization	
Street Address	
City, State, and Zip Code	
Contact Name	
Phone Number	() -
E-mail Address	

Project Information

Project Title	
Agreement Number (or other unique identifier)	

1. For projects that did not complete (or timely complete) project objectives): Describe the challenges faced, what led to those challenges and indicate whether those challenges were within the Applicant's control.
(Answer)
2. Describe any severe audit findings and how they were ultimately addressed and resolved.
(Answer)
3. Describe the final outcome of the project.
(Answer)



Applicant Declaration (Attachment 13)

- Applicants must complete Attachment 13 in order for the application to be considered complete

ATTACHMENT 9 Applicant Declaration

As of the date of the application deadline for Energy Commission solicitation GFO-23-606, the entity submitting this application (Applicant):

- Is not delinquent on any federal, state, or local tax payments; and
- Has not had its California business registration status suspended by the California Franchise Tax Board within the last 7 years; and
- Has not filed for bankruptcy in the last 10 years; and
- Is not currently planning to file for bankruptcy; and
- Is registered to do business in California, which typically means with the California Secretary of State, and such registration is in good standing; and
- Is not currently being sued by any entity (public or private) or individual, and is not aware of any information that reasonably indicates it may be sued by any entity or individual during the proposed agreement term, that in either case might reasonably be expected to materially impact the applicant's ability to perform the proposed project; and
- Is in compliance with the terms of all settlement agreements, if any, entered into with the Energy Commission or another government agency or entity; and
- Is in compliance with all judgments, if any, issued against the Applicant in any lawsuit or other matter to which the Energy Commission or another government agency is a party; and
- Is complying with any demand letter made on the Applicant by the Energy Commission or another government agency; and
- Is not in active litigation with the Energy Commission regarding the Applicant's actions under a current or past contract, grant, or loan with the Energy Commission.

For the Applicant, and having authority to do so, I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct:

(Date)

(Signature)

(Printed Name)



Standard Terms and Conditions

- Standard Terms and Conditions
- Can be found on the Funding Resources webpage at <https://www.energy.ca.gov/funding-opportunities/funding-resources>
 - Appendix 1 reflects the terms and conditions that have been updated through the CEC's ECAMS process
 - E.g. backup documentation required for invoicing
- More information is on the ECAMS Resources webpage at <https://www.energy.ca.gov/funding-opportunities/funding-resources/ecams-resources>
- Special Terms and Conditions for CA Native American Tribes and Tribal Organizations with Sovereign Immunity (Attachment 14)



Application Screening



How Will My Application Be Evaluated?

Stage One: Application Screening

- Administrative Screening Criteria (Pass/Fail)
- Technical Screening Criteria (Pass/Fail)
- Applicants must pass ALL screening criteria, or the application shall be disqualified and eliminated from further evaluation.

Stage Two: Application Evaluation



Administrative Screening Criteria

Criteria	Pass/Fail
1. The application is received by the due date and time specified in the “Key Activities Schedule” in Section I of this solicitation.	Pass or Fail
2. The Applicant has not included a statement that is contrary to the required authorizations and certifications when submitting in ECAMS.	Pass or Fail



Technical Screening Criteria

Criteria	Pass/Fail
1. The applicant is an eligible Applicant.	Pass or Fail
2. The project meets all project requirements.	Pass or Fail
3. The applicant meets the minimum match share requirement.	Pass or Fail
4. The applicant passes the past performance screening criterion.	Pass or Fail



Past Performance Screening

1. An applicant may be disqualified due to **severe performance issues** characterized by significant negative outcomes under one or more prior or active CEC agreement(s) within the last 10 years.
2. Any applicant that does not have an active or prior agreement equates to no severe performance issues and therefore would pass this screening criteria.



Application Technical Evaluation and Scoring

- The Evaluation Committee applies the scoring scale to the evaluation criteria.
- Applications must obtain a minimum passing score of **70%** or **140 points** in order to be considered for funding.
- Review Section IV of the solicitation manual and ensure the application provides a clear and complete response to all scoring criteria.



Evaluation Criteria



Application Evaluation and Scoring

Scoring Criteria	Possible Points
1. Physical Space	25
2. Interoperability Testing	25
3. Operations & Governance	20
4. Standardized Testing Protocols	10
5. Bidirectional Charging	20
6. Data Collection, Reporting, Dashboard	20
7. Industry Collaboration Events	15
8. Project Budget	10
9. Overall Cost Effectiveness	10
10. Financial Sustainability	15
11. Match Share	10
12. Team Experience & Qualifications	20
Total Possible Points	200
Minimum Points to Pass (70%)	140



Physical Space (25 Pts)

Applications will be evaluated on the degree to which the project site:

- Will be located in California.
- Is sized to accommodate testing for at minimum twelve large EVSE units and four vehicles.
- Will include spaces for multi-party testing and indoor meetings.
- Is capable of fully powering and testing a 150 kW charger, at minimum, with higher scores for facilities with higher power capacity.
- Includes plans for interconnecting the bidirectional charging infrastructure to the grid.
- (Optional) Describes plans to accommodate medium- and heavy-duty vehicles.



Interoperability Testing (25 Pts)

Applications will be evaluated on the degree to which the applicant:

- Procures 12 or more “resident” EVSE units to support charge-vehicle testing, of which:
 - At least 5 units are AC and 6 are DC EVSE.
 - At least 7 different manufacturers are represented.
 - At least 2 V2G Root Certificate Authorities (Public Key Infrastructures) are represented for all EVSE.
- All resident EVSE units:
 - Are certified for OCPP 2.0.1+
 - Demonstrates CharIN CCS Extended or ISO 15118 conformance through a comparable test program.
 - Procures and commissions on-site test tools that, at minimum, support ISO 15118 testing for products using the J1772/CCS or J3400/NACS connector.
 - Test tools must be capable of simultaneously testing multiple ports for multi-port EVSE.
 - The facility may optionally offer ISO 15118 conformance and certification services using these tools.



Operations & Governance (20 Pts)

Applications will be evaluated on the degree to which the applicant:

- Provides on-site technical support (e.g - test technicians and test engineers).
- Supports semi-public and private testing, including confidentiality and security processes.
- Supports testing between visiting vehicles and resident EVSE.
- Describes plans to ensure cost recovery and financial sustainability,
- Applicants must commit to 5 years of operation and provide detailed plans of how to reach 10 years of operation.
- Describes plans to assemble an advisory committee consisting of at least two of each of the following entities:
 - EV manufacturers
 - Charge station operators or charging network providers
 - Public key infrastructure providers
 - Utilities (only 1 required)
- Describes plans to implement:
 - A standard set of test cases for ISO 15118-2 & -20 that validate a product's ISO 15118-2 & -20 implementation.
 - The above test cases shall include those validating Plug and Charge, scheduled charging, and bidirectional charging.
 - A standardized method, tool, certification, and/or program with which to run the above test cases.
- During the project term, describes plans to:
 - Host at least 3 on-site interoperability testing events per year.
 - Host at least 2 on-site events per year that do not include testing.



Standardized Testing Protocols (10 Pts)

Applications will be evaluated on the degree to which the applicant demonstrates plans for:

- Achieving the availability of a standard set of test cases for ISO 15118-2, -20, and OCPI 2.2.1+.
- Achieving a standardized method, tool, certification, and/or program for running the aforementioned test cases.

Each of the above plans should:

- Specify collaboration with relevant industry bodies and entities.
- Outline how the applicant will contribute to and leverage existing industry efforts.
- Detail the scope and coverage of the intended test cases, including Plug and Charge and scheduled charging.



Bidirectional Charging (20 Pts)

Applications will be evaluated on the degree to which the applicant:

- Provides the capability for automakers and charging providers to test end-to-end bidirectional charging.
 - This must include the ability to install and test a complete bidirectional charging setup for both grid interactive and islanded operation.
- Support testing with other distributed energy resources, energy management systems, or similar complementary technologies.
- Describes how Charge Yard bidirectional charging programming will convene industry, mature the development of bidirectional standards, and support utility buy-in.



Data Collection, Reporting, Dashboard (20 Pts)

Applications will be evaluated on the degree to which the applicant submits detailed plans to:

- Collect comprehensive data on all testing with on-site test tools and resident EVSE.
- Identify and track common implementation errors, misunderstandings, and other non-conformities.
- Identify and track common implementation errors, misunderstandings, and other non-conformities from industry collaboration events.
- Collect data during industry collaboration events (including all on-site interoperability testing events and V2X testing events).



Industry Collaboration Events (15 Pts)

Applications will be evaluated on the degree to which the applicant submits detailed plans to:

- Host at least three on-site interoperability testing events per year.
 - The annual V2X testing event counts towards the required number of testing events.
- Host or co-host at least two on-site events per year that do not include testing.



Project Budget (10 Pts)

Applications will be evaluated on the degree to which:

- The proposed project budget is justifiable and reasonable relative to the project goals, objectives, and tasks defined in the scope of work.
- The proposed project minimizes administrative and overhead costs for reimbursement.
- The proposed match funding commitments are documented, verifiable, and necessary to support the successful completion of the project.
- The proposed project is fiscally sustainable and will continue beyond the term of the CEC's funding agreement.



Overall Cost Effectiveness (10 pts)

- Scores in this category will be calculated by multiplying the number of possible points in this category (10) by the Cost Effectiveness Score.
- For example, if a project has a Cost Effectiveness Score of 0.7 the total number of points received in this category would be 7 (i.e., $10 \times 0.7 = 7$).



Financial Sustainability & Match Share (25 pts)

Financial Sustainability

- Applications will be evaluated on the proposed business model and ability to sustain operations beyond the 5-year performance period without additional funding from the CEC.

Match Share

- Applications will be evaluated on the degree to which the proposed project budget includes at least 33 percent total match share.



Team Experience and Qualifications (20 pts)

Applications will be evaluated on the degree to which:

- The qualifications, experience, and capabilities of the project team provide confidence in the team's ability to successfully:
 - Meet all Charge Yard project requirements.
 - Operate Charge Yard, including past the project term.
- The applicant has a demonstrated history of successfully completing infrastructure projects including the ability to establish site control, obtain equipment and materials, and deploy resources to expedite project completion.
- The applicant demonstrates that it has the confidence of the electric vehicle and charging industries, and a history of successfully convening these industries.
- If applicable, the applicant describes past performance on prior CEC awards, including timeliness, project execution, communication, and project success.



Application Submittal



Application Submission via ECAMS

- Applications will be submitted through the Energy Commission Agreement Management System (ECAMS), available at:
<https://ecams.energy.ca.gov/>
- **Applicants must have or create a user account in order to apply for this solicitation.** To create an account, please see the guidance document titled [User Registration Instructions](#)
- Note: One account manager per organization, but users can be added by account manager

A screenshot of the Energy Commission Agreement Management System (ECAMS) login page. The page features a blue header with the "CALIFORNIA ENERGY COMMISSION" logo and a "Contact Us" link. Below the header, the title "Energy Commission Agreement Management System" is displayed. The login form consists of two input fields labeled "Username" and "Password", followed by a blue "Login" button. Below the button are two links: "Forgot your password?" and "New User Sign Up?". At the bottom of the page, a black footer contains links for "Back to Top", "Conditions Of Use", "Privacy Policy", and "Contact Us".



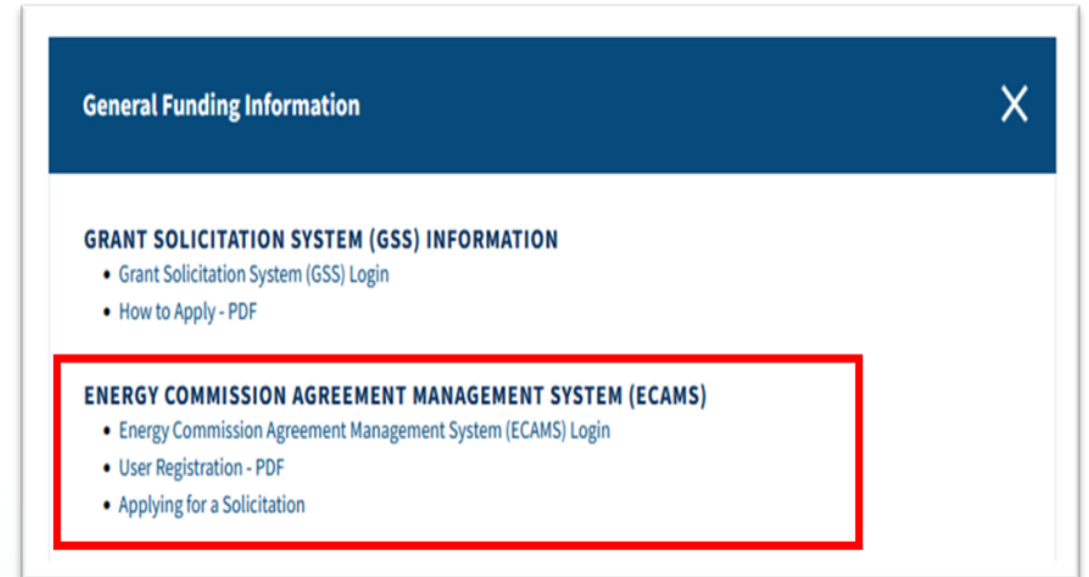
Submission Requirements

- Application documents should meet formatting requirements and page limits provided in the solicitation manual.
- Applicants will be required to upload all attachments marked “required” in the system in order for the application to be submitted.



Application Submission Resources

- For detailed instructions on how to submit an application, please see the [Applying for a Solicitation](#) guidance document
- Guidance documents are available at <https://www.energy.ca.gov/funding-opportunities/funding-resources> under *General Funding Information*
- Questions about the ECAMS system can be sent to:
ECAMS.SalesforceSupport@Energy.ca.gov





Application Submission

Submit applications early!

ECAMS will stop accepting application documents promptly at the deadline of 11:59 p.m. on June 16th.

Applications in the process of being submitted prior to the deadline will NOT be accepted after the deadline.



Key Dates

Activity	Action Date
Solicitation Release	March 25, 2025
Pre-Application Workshop	April 4, 2025
Deadline for Written Questions by 5:00 p.m.	April 18, 2025
Anticipated Distribution of Question/Answers	April 2025
Deadline to Submit Applications by 11:59 p.m.	June 16, 2025
Anticipated Notice of Proposed Awards Posting	Q3 2025
Anticipated CEC Business Meeting	Q4 2025

Updates to solicitation documents will be posted on the [GFO Webpage](https://www.energy.ca.gov/event/funding-workshop/2025-04/pre-application-workshop-gfo-24-609-charging-interoperability-and):

<https://www.energy.ca.gov/event/funding-workshop/2025-04/pre-application-workshop-gfo-24-609-charging-interoperability-and>



Questions and Answers

Three ways to ask questions:

Please state your name and affiliation. Keep questions under 3 minutes to allow time for others.

1. Use the raise hand function in Zoom

Zoom Phone Controls:

- *6 – Toggle mute/unmute
- *9 – Raise hand

2. Type questions in the Zoom Q&A Box

3. Submit written questions

Send written questions to Chester.Hong@energy.ca.gov

Deadline: April 18th, 5:00 p.m. PST



Written Questions

Please send all questions related to GFO-24-609 to:

Chester Hong

Commission Agreement Officer
715 P Street, MS-18
Sacramento, CA 95814

Chester.Hong@energy.ca.gov

(Please add subject line: GFO-24-609)

Deadline to submit questions: Friday, April 18, 2025, 5:00 p.m. PST

Deadline to submit applications: Friday, June 16, 2025, 11:59 p.m. PST



Thank You!

Applications are due June 16, 2025 by 11:59 p.m.