



GFO-21-601 Pre-Application Workshop: Reliable Charging Access for On-Demand Transportation Services

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September 14, 2021



Housekeeping

- Muting on Zoom
- Zoom recording
- Questions & Answers
- Updates on solicitation documents including this presentation will be posted at the [Grant Funding Opportunity's Webpage:](https://www.energy.ca.gov/solicitations/2021-08/gfo-21-601-charging-access-reliable-demand-transportation-services-carts)
www.energy.ca.gov/solicitations/2021-08/gfo-21-601-charging-access-reliable-demand-transportation-services-carts



Agenda

Welcome and Introductions

Solicitation Overview:

- Clean Transportation Program
- Purpose of Solicitation
- Available Funding
- Eligibility Requirements
- Project Requirements
- Attachments
- Evaluation Process
- Submission Process

Questions and Answers



Commitment to Diversity

The California Energy Commission (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 commitment, CEC staff conducts outreach efforts and 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.



We Want to Hear From You!

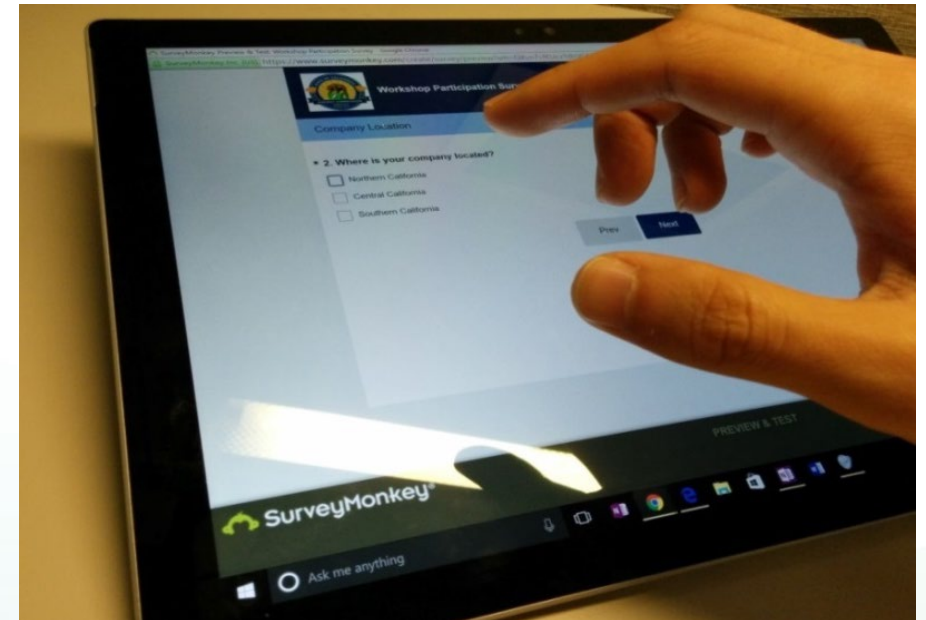
One Minute Survey

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

Please use [this link to the survey](https://forms.office.com/Pages/ResponsePage.aspx?id=RBI6rPQT9k6NG7qicUgZTm8XoU_4kAJKql41oyHQtAZURE05SIJMT0ozMDhVVSFpDMDIZQ0ZTU0NKVy4u):

https://forms.office.com/Pages/ResponsePage.aspx?id=RBI6rPQT9k6NG7qicUgZTm8XoU_4kAJKql41oyHQtAZURE05SIJMT0ozMDhVVSFpDMDIZQ0ZTU0NKVy4u

Thanks!





Find a Partner on EmpowerInnovation.net

Empower Innovation strives to accelerate your clean tech journey with easy access to funding opportunities from the CEC 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.

To connect with others for this GFO please go to [this link](https://www.empowerinnovation.net/en/custom/funding/view/23045):
<https://www.empowerinnovation.net/en/custom/funding/view/23045>

Please direct questions for the Empower Innovation platform to:
https://www.empowerinnovation.net/en/contact_us



Clean Transportation Program

- This solicitation will award projects funded by the **Clean Transportation Program**
 - Formerly known as the Alternative and Renewable Fuel and Vehicle Technology Program
- Established by Assembly Bill 118 (Nunez, 2007)
- Has an annual budget of approximately \$100 million
- Extended to January 1, 2024, by Assembly Bill 8 (Perea, 2013)



Clean Transportation Program

“...to develop and deploy innovative technologies that transform California’s fuel and vehicle types to help attain the state’s climate change policies.”

- California Health and Safety Code 44272(a)

Complementary goals:

- Improve air quality.
- Invest in low-income and disadvantaged communities.
- Promote economic development.
- Increase alternative fuel use.
- Reduce petroleum dependence.



AB 841 EVITP Requirements

AB 841 (Ting, 2020) added Public Utilities Code (PUC) section 740.20, which requires Electric Vehicle Infrastructure Training Program (EVITP) certification to install electric vehicle charging infrastructure and equipment for work performed on or after January 1, 2022, subject to certain exceptions. As a policy matter, the CEC is applying the EVITP certification requirements to project work resulting from this GFO, regardless of whether it might be performed prior to January 1, 2022, unless an exception applies.

EVITP Training Website:

<https://evitp.org/evitp-training-la/>



Charging Access for Reliable On-Demand Transportation Services (CARTS)



Purpose of Solicitation

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- Provide **convenient** charging access for high mileage on-demand transportation and delivery services.
- Provide **targeted** charging deployment that increases the percentage of eVMT.
- Provide **economical** charging options for drivers and fleets.



Electric Vehicle Charging Equipment Goals

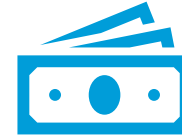
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Convenience



Provide charging sites that can mitigate unnecessary routing for charging sessions.

Economical Charging



Provide charging options that can lower the total cost of ownership for drivers.

Sites



Deploy charging sites that will enable high utilization and reduce the burden on surrounding public charging.



Available Funding

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- **\$6 million** is available.
- The maximum award amount is **\$2 million** per project per region.
- Applicants may submit up to two applications per region.



Applicant Eligibility

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- The Applicant must be a private entity with a business presence in California.
- Applicants are encouraged to partner with local city or county authorities, non-profit entities, community based-organizations, and utilities throughout the application process.



Project Requirements

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Eligible Projects will provide:

- Charging support to on-demand transportation services such as ridehailing, taxis, and meal and grocery delivery.
- Written support or participation from on-demand transportation service companies.
 - E.g., Transportation Network companies (TNCs), Charter Party Carriers (TPCs), Taxi Fleets or delivery services



Project Requirements

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Examples of Eligible Projects:

- Charging plazas at airports
- Charging plazas in dense urban areas
- Charging support along service routes
- Chargers to expand routes
- Strategic charger siting





Project Location Requirements

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| | General Area Description | Selected Counties |
|---|--------------------------|---|
| 1 | Northern California | Alameda, Alpine, Butte, Contra Costa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Lassen, Marin, Mendocino, Modoc, Mono, Monterey, Napa, Nevada, Placer, Plumas, San Francisco, San Luis Obispo, San Mateo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Yolo, and Yuba |
| 2 | Central Valley | Amador, Calaveras, Colusa, Fresno, Inyo, Kern, Kings, Madera, Mariposa, Merced, Sacramento, San Benito, San Joaquin, Stanislaus, Tulare, and Tuolumne. |
| 3 | Southern California | Imperial, Los Angeles, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, and Ventura. |

- Applicants must identify **one of the three** regions in their application
- Applicants are allowed to submit up to **two** applications per region



Project Location Requirements (Cont)

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Accessibility and Availability

“Charging stations may be either publicly available or private. Charging should be capable of accommodating the requirements and schedules of on-demand shared or gig transportation service drivers, including sufficient hours of operation. “Publicly available” stations are those that are open to members of the general public for any period of time. “Private” stations are all other stations.”



Charging Equipment

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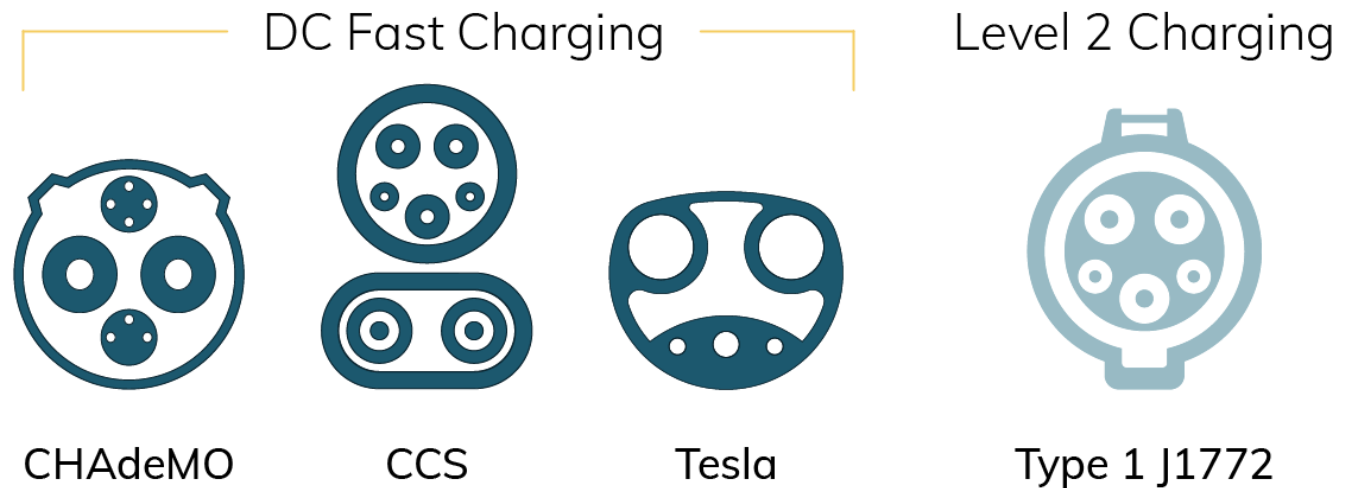
Eligible equipment includes:

Chargers

- DC Fast Chargers
- Level 2 chargers

Connectors

- SAE CCS
- CHAdeMO
- L2 J1772
- Tesla





Charging Equipment

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Charging platforms

- Mobile chargers
- Wireless chargers
- Battery swapping facilities

Renewable Distributed Energy Resources

- Solar
- Battery Storage

Additional eligible costs

- Integration of communication hardware and software supporting ISO 15118

* All charging sites must include equipment able to support a **mix with at least one** SAE CCS connector.



Eligible Project Costs

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- Personnel costs for site planning
- Site design, engineering plans, and specifications
- Equipment and materials necessary to construct and operate the proposed charging stations
- Signage



Match Funding Requirements

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- Proposed projects must include at least 50% of the total allowable project costs as match share.
- Of the total match share, 50% must be cash match.

Example Calculation:

- Applicant requests \$2M.
- Applicant must contribute at least \$2M as their total match share, of which \$1M (50% of \$2M) must be cash match.

Total project costs = \$2M + \$2M = \$4M

Match share contribution = \$2M / \$4M = 50%



Application Requirements

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Each Applicant must complete and include the following:

| | |
|---|--|
| Application Form (Attachment 1) | Project Narrative |
| Scope of Work (Attachment 2) | Schedule of Products and Due Dates (Attachment 3) |
| Budget Forms (Attachment 4) | Resumes (Attachment 5) |
| Contact List (Attachment 6) | Letters of Support/Commitment |
| CEQA Worksheet (Attachment 7) | Local Health Impacts Form (Attachment 8) |
| Past Performance Reference Form (Attachment 9) | |



Application Form (Attachment 1)

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ATTACHMENT 1 GFO APPLICATION FORM

This document provides the California Energy Commission (CEC) with basic information about the Applicant. Each Applicant must complete and include this Application Form in its application.

| | |
|-------------------------------|--------------------------|
| Applicant's Legal Name | Federal ID Number |
| | |

| | |
|----------------------|-----------------|
| Proposed Term | |
| Start Date | End Date |
| / / | / / |

| | |
|---------------------------------|--|
| Funding | |
| Administrative Cost | % |
| Amount of Start-Up Costs | \$ |
| Match Funding | \$ |
| Source of Match: | <input type="checkbox"/> Cash <input type="checkbox"/> In-Kind |

| |
|-------------------------|
| Title of Project |
| |

| |
|--|
| Project Description (brief paragraph, see instructions in Application Manual) |
| |

| |
|--|
| California Environmental Quality Act (CEQA) Compliance |
| 1. Would the proposed project be considered a "Project" under CEQA (PRC 21065 and 14 CCR 15378)? <input type="checkbox"/> Yes: skip to question 2 <input type="checkbox"/> No: Explain why proposed project is not considered a "Project" and complete the following: Proposed project will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because . |
| 2. If proposed project is considered a "Project" under CEQA, has environmental review been completed? <input type="checkbox"/> Yes (if so, provide documentation in application) <input type="checkbox"/> No |

| |
|---|
| Subcontractor(s) |
| If subcontractors will perform work for the project, insert the legal name of each subcontractor below. |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |
| Insert Subcontractor Legal Name |

| |
|--|
| Applicant's Project Manager (serves as point of contact for all communications) |
| Name: |
| |

- Applicants must include a completed Application Form which describes project eligibility and project proposal.



Project Narrative

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- The narrative (**limited to 20 pages**) must include a table of contents and provide:
 - A detailed description of the proposed project.
 - Operational goals and objectives.
 - The project approach and how tasks will be implemented through the proposed Scope of Work (Attachment 2).
- Applicants must address the scoring criteria described in Section IV.E.



Scope of Work & Schedule of Products and Due Dates

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Scope of Work (Attachment 2)

- Tell us exactly what you are proposing to do in your project.
- Identify what will be delivered to the CEC.
- Be sure to include in the technical tasks section:
 - At least one product that will be delivered per task.
 - Descriptive language that addresses requirements in Section II.B. under Project Requirements

Schedule of Products and Due Dates (Attachment 3)

- Include all product deliverables that correspond with the Scope of Work's technical tasks section.
- Provide realistic dates on when product deliverables can be completed.



Budget (Attachment 4)

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- Identify how CEC funds will be spent to complete the project.
- All reimbursable costs must be incurred within the approved term of the funding agreement.



Resumes (Attachment 5)

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



Contact List (Attachment 6)

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- Applicants must include a completed Contact List (Attachment 6) by including the appropriate points of contact for the Applicant.
- The CEC will complete the CEC points of contact during agreement development.



Letters of Support/Commitment

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- Follow guidelines provided for commitment and support letters.
 - Commitment letters are required for entities or individuals that are committing match funding.
 - Support letters describe a project stakeholder's interest or involvement in the project.
- Any project partners that will make contributions to the project must submit a commitment letter.
- Letters are limited to two pages each.



CEQA Worksheet (Attachment 7)

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- Applicants must include a completed CEQA worksheet to determine CEQA compliance obligations.



Local Health Impacts Information Form (Attachment 8)

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- Applicants must complete and submit a Local Health Impacts Information Form (Attachment 8).
- The CEC requires this information to assist in developing and publishing a localized health impacts report.



Past Performance Reference Form (Attachment 9)

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- Provide references for each CEC agreement (e.g., contract, grant, or loan) received by the Applicant in the last 10 years, and the 5 most recent agreements with other public agencies within the past 10 years.
- References may be contacted by CEC staff.
- Applicants should fill out a separate Past Performance Reference Form for each reference addressed in the Project Narrative.



Evaluation Process



How Will My Application Be Evaluated?

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Administrative Screening Process

1. CEC staff screens applications per criteria in Section IV.A.2.
2. Criteria are evaluated on a pass/fail basis.
3. Applicants must pass ALL administrative & technical screening criteria, or the application shall be disqualified and eliminated from further evaluation.



How Will My Application Be Evaluated?

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Technical Screening Criteria

1. The Applicant is an eligible Applicant.
2. The project is an eligible project.
3. The project meets the minimum match share requirements.
4. The Applicant passes the past performance screening criterion.



How Will My Application Be Evaluated?

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Applicant Past Performance with the CEC (Pass/Fail)

1. CEC staff will screen full applications per criteria in Section VII.A.4.
2. Applicant—defined as at least one of the following: the business, principal investigator, or lead individual acting on behalf of themselves—must pass this screening criterion to be eligible to be scored under the evaluation criteria.
3. The 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.
4. It is **not** a requirement to have been awarded a prior CEC grant in order to apply.



How Will My Application Be Evaluated?

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- Evaluation Committee applies the scoring scale to the evaluation criteria.
- Applications must obtain a minimum passing score of 70 points 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 evaluation criterion.

| Scoring Criteria | Maximum Points |
|--|----------------|
| 1. Market Viability | 30 |
| 2. Project Location | 25 |
| 3. Project Implementation | 25 |
| 4. Benefits to DACs/LICs | 25 |
| 5. Project Readiness | 20 |
| 6. Team Qualifications and Experience | 10 |
| 7. Project Budget | 10 |
| 8. Environmental and Economic Benefits | 15 |
| 9. Innovation and Sustainability | 15 |
| Total Points Possible | 175 |
| Minimum Points to Pass (70%) | 122.5 |



GFO Submission Requirements

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- Method of delivery is [the CEC's Grant Solicitation System](#), available at: <https://gss.energy.ca.gov/>
- Files must be in Microsoft Office Word (.doc, .docx) and Excel (.xls, .xlsx) formats, unless originally provided in the solicitation in another format.
- Until further notice, any requirement in CEC contract, grant, and loan solicitations to provide a signature is waived (even if it is in the screening criteria). No signature, even electronic, is necessary.
 - <https://www.energy.ca.gov/funding-opportunities/solicitations>
- First-time users must register as a new user to access system.



Key Activities and Dates

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| Activity | Action Date |
|---|---------------------------|
| Solicitation Release | August 31, 2021 |
| Pre-Application Workshop | September 14, 2021 |
| Deadline for Written Questions by 5:00 PM | September 24, 2021 |
| Anticipated Distribution of Questions/Answers | October 1, 2021 |
| Deadline to Submit Applications by 5:00 PM | October 29, 2021 |
| Anticipated Notice of Proposed Awards Posting | January 21, 2022 |
| Anticipated CEC Business Meeting | April 13, 2022 |



Questions and Answers

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Three ways to ask questions:

1. Use the raise hand function in Zoom:

- Zoom Phone Controls:
 - *6 - Toggle mute/unmute
 - *9 - Raise hand
- Please introduce yourself by stating your name and affiliation.
- Keep questions under 3 minutes to allow time for others.

2. Type questions in the Q&A Box in Zoom:

- Please provide name and affiliation.

3. Submit written questions:

- Send written questions to Douglas.Harvey@energy.ca.gov no later than **September 24, 2021 5:00 PM PST.**

Note that an official CEC response will be provided in writing and posted on the GFO webpage in approximately three weeks.



Additional Questions

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Please send all questions related to GFO-21-601 to:

Douglas Harvey

Commission Agreement Officer

(916) 896-1586

Douglas.Harvey@energy.ca.gov

**Deadline to submit questions: Wednesday, September 24, 2021,
by 5:00 PM**

**Deadline to submit Applications: Friday, October 29, 2021,
by 5:00 PM**