Pre-Solicitation Workshop

Convenient, High-Visibility, Low-Cost Level 2 Charging (CHiLL-2)

Fuels and Transportation Division
September 20, 2022 | 10:00 am

Housekeeping

- Workshop is being recorded.

- Slides and recording will be posted on the Event page:

  https://www.energy.ca.gov/event/workshop/2022-09/pre-solicitation-workshop-convenient-high-visibility-low-cost-level-2

- Virtual Participation through Zoom

  - Raise Hand or Q&A feature
  - Telephone participants dial *9 to raise your hand

- Written Comments to Docket # 20-TRAN-04:

  https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=20-TRAN-04

  Deadline: October 10, 2022 at 5:00 p.m.

Workshop Purpose

Stakeholder feedback on a draft grant funding opportunity concept for convenient, high-visibility, low-cost Level 2 electric vehicle (EV) charging infrastructure projects.

Workshop Agenda

- Welcome and Introductions

- Background
  - Clean Transportation Program
  - 2021-22 Light-Duty EV Charging Project Objectives

- Overview of CHiLL-2 Solicitation Concepts
  - Purpose and Eligibility
  - Project Requirements
  - Project Evaluation
  - Solicitation Timeline
  - Discussion Questions and Commenting Period

- Public Comments

- Next Steps

- Adjourn

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 outreach efforts and activities to:

- Engage with disadvantaged and underrepresented groups throughout the state.

- Notify potential new applicants about the CEC's funding opportunities.

- Assistant applicants in understand 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.

Survey Link: https://forms.office.com/Pages/ResponsePage.aspx?id=RBI6rPQT9k6NG7qicUgZTgOXLitRK-NHghoUmXANSZJUMzlMUUJERUZKN1lQMTVBTUpPU0VNVE1DNC4u

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 table to access the survey.

Survey will be closed at the end of the day.

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	**RESOURCES & TOOLS**
Announce your interest in this funding opportunity and message other interested parties to find potential partners.	Browse the collection of resources for clean tech innovators including Resource Libraries, Funding Sources, Tools, and Databases.

To search for funding opportunities, please go to this link:

https://www.empowerinnovation.net/en/custom/funding/directory

Please direct questions for the Empower Innovation platform to:

https://www.empowerinnovation.net/en/contact_us

Clean Transportation Program (CTP)

- Established in 2007 by Assembly Bill 118 (2007).

- Extended to January 1, 2024 by Assembly Bill 8 (2013).

- Investment Plan to determine funding allocations across various categories.

- ZEV Package 1.0 and 2.0 propose approximately $4 billion in ZEV infrastructure funding over 5 years.

CALIFORNIA
ENERGY COMMISSION

California Energy Commission
DRAFT STAFF REPORT

2022–2023 Investment Plan Update for the Clean Transportation Program

April 2022 | CEC-600-2022-053-SD
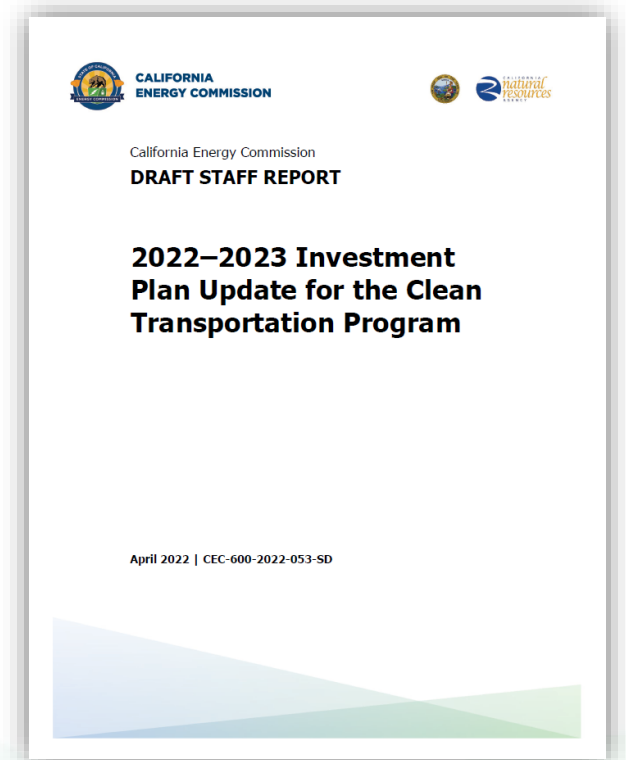
Light-Duty EV Charging Projects

- On December 2, 2021, CEC held a workshop for recommendations on projects to use CTP funds

- Commitment to equity across all project areas

- 2021 - 2022 Allocations

  - Augmented BESTFIT
  - Second Block Grants
  - Reliable, Equitable, and Accessible Charging for multi-family Housing (REACH)
  - Charging Access for Reliable On-Demand Transportation Services (CARTS)
  - Rural Electric Vehicle (REV)
  - Signage
  - CHiLL-2

Purpose of Proposed Solicitation

Goals:

➢ Enhance perception of Level 2 charging access through high-density, high-visibility installations

➢ Test and understand business models for Level 2 charging, including smart charging

Scope: Seek projects that will install large amounts of Level 2 chargers within small, high-use areas throughout California and report utilization across site types.

Proposed Funding

- $24 million total funding available
- Propose 3 awards
- Up to $10 million per award

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Proposed Eligible Projects

- Deploy Level 2 EV chargers in high-visibility areas
- Requirements:
  - Minimum of 500 Level 2 chargers installed per project
  - Minimum of 2 site types per project with at least 100 chargers per site type
  - All chargers must be installed within a 1-mile radius
  - Minimum of 50% of chargers must be installed in Disadvantaged/Low-Income Communities
  - Minimum of 25% match funding

Proposed Eligible Projects, Continued

Eligible site types include, but are not limited to:

- Parking garages
- Downtown/curbside parking spaces
- Park-and-ride lots
- Retail parking lots
- Government building parking lots

Proposed Eligible Applicants

- Open to all public and private entities
- Required to be registered and be in good standing with the California Secretary of State, https://www.sos.ca.gov, to enter into an agreement with the CEC
- Encourage project teams that:
  - Have city or county support/partnerships
  - Have experience with Level 2 installations
  - Have experience with large numbers of installations

Discussion #1:
Proposed Funding and Eligibility

| Zoom Participants	Telephone Participants:
• Use the "raise hand" feature to make verbal comments • Use the Q&A feature to type in your question	• Dial *9 to raise your hand • Dial *6 to mute/unmute your phone line.

1. Is a 500-charger minimum reasonable?

    a. Do potential applicants feel they could develop and manage projects of this size?

    b. Is the funding level appropriate ($10M)?

    c. Is a 1-mile radius feasible?

2. Should we require different site types?

    a. How should we classify "site types"?

3. Should we require partnerships with cities/counties? Other types of partnerships?

4. Should we require all chargers to be publicly available?

    a. Alternatively, should we allow some percentage of chargers to be privately available?

Proposed Project Readiness

- Sites for charger installations must be identified and have letters of intent.
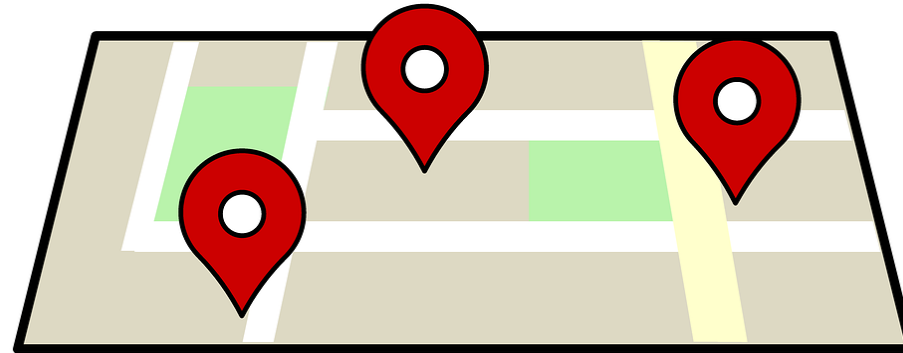
Proposed Technical Requirements

- All Level 2 chargers must have SAE standard J1772 connectors and may have Tesla connectors.

- All chargers installed must be OCPP compliant and certified (version 1.6 or newer; core/subset and security certificates).

- All chargers installed must be ISO 15118 ready.
  - Details can be found in docket 19-AB-2127 (TN#241955)

    https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=19-AB-2127

- If installed outside, chargers must be able to withstand extreme weather associated with the deployment area.

Proposed Operations Requirements

- Applicants must submit an Operations and Maintenance Plan.

- Chargers must be operational at least 97 percent of the time.

- Applicants must provide customer service support via a toll-free telephone number at project sites during all hours of operation.

- Applicants must maintain and operate all funded equipment for a minimum of 5 years.

- The project must have networking agreements and warranties for at least 5 years.

- Payment options must meet CARB requirements.

Discussion #2: Proposed Project Readiness and Technical and Operations Requirements

Zoom Participants • Use the "raise hand" feature to make verbal comments • Use the Q&A feature to type in your question	**Telephone Participants:** • Dial *9 to raise your hand • Dial *6 to mute/unmute your phone line.

1. Should we require site host agreements?

2. Does equipment need to be network <u>capable</u> and <u>be networked</u> (i.e., have a networking agreement)?

3. Should we require smart charging processes?

   a. Automated Load Management Systems (ALMS)?

4. Are we missing any important technical requirements?

5. What is the appropriate level of customer service?

6. Do sites and the chargers need to be available 24/7?

Proposed Data Collection Requirements

- Applicants must have a plan for data collection, including, but not limited to, data on usage, payment, emissions savings, and job creation.

- Applicants must collect a minimum of 12 months of data for each site type separately and provide data electronically to the CEC on a regularly scheduled basis.

- Data collection includes, but is not limited to:
  - Charge and session duration and cost
  - Energy delivered (kWh)
  - Power delivered (kW)
  - Payment method
  - Type of vehicle charged
  - Number of unique vehicles and frequency of "repeat vehicles"
  - Reliability metrics

Proposed Evaluation Criteria

Scoring Criteria	Points
Project Location	25
Project Readiness and Implementation	30
Innovation	20
Team Qualifications	15
Project Budget	10
TOTAL POSSIBLE POINTS	100
MINIMUM PASSING SCORE (70%)	70

Discussion #3: Proposed Evaluation Criteria and Reaching Underserved Populations

Zoom Participants
- Use the "raise hand" feature to make verbal comments
- Use the Q&A feature to type in your question

Telephone Participants:
- Dial *9 to raise your hand
- Dial *6 to mute/unmute your phone line.

1. What data would be most useful for others to learn from and replicate these projects?

2. What metrics should be used to compare L2 business models?

3. Is there anything missing from the proposed scoring criteria?

4. Is the evaluation point allocation appropriate?

5. How can we encourage projects that keep charging rates low, especially for DAC/LIC residents?

6. What other tools could be employed to ensure chargers are installed in disadvantaged communities and low-income communities?

Discussion Summary

Zoom Participants
- Use the "raise hand" feature to make verbal comments
- Use the Q&A feature to type in your question

Telephone Participants:
- Dial *9 to raise your hand
- Dial *6 to mute/unmute your phone line.

- Funding

- Eligibility

- Readiness

- Technical and Operations Requirements

- Data Collection Requirements

- Scoring

Proposed Schedule

Activity	Action Date (Tentative)
Solicitation Release	December 2022
Pre-Application Workshop	December 2022
Deadline to Submit Applications	February/March 2023
Anticipated Notice of Proposed Awards Posting	May 2023
Anticipated CEC Business Meeting Approval	July 2023

Submit Comments to Docket 20-TRAN-04

Electronic Commenting System

Visit the comment page for this docket at:
https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=20-TRAN-04

Comment by E-mail

E-mail: docket@energy.ca.gov

Subject Line: "20-TRAN-04 Electric Vehicle Infrastructure Project Funding"

All comments due by 5:00 pm on October 10, 2022

Thank You!