

DOCKETED

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Project Title:	Electric Vehicle Infrastructure Project Funding
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Pre-Solicitation Workshop

Community Charging in Urban Areas

Fuels and Transportation Division

March 7, 2024 | 1:00 pm



Workshop Purpose

Stakeholder feedback on a draft grant funding opportunity for projects that will support Level 2 and DCFC charging infrastructure in disadvantaged and low-income communities in urban areas.



Housekeeping

- Workshop is being recorded.
- Slides and recording will be posted on the Event page:
<https://www.energy.ca.gov/event/workshop/2024-03/pre-solicitation-workshop-community-charging-urban-areas>
- 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: April 5, 2024 at 5:00 p.m.



Workshop Agenda

- Welcome and Introductions
- Background
 - Clean Transportation Program
 - 2023-24 Light-Duty EV Charging Project Objectives
- Overview of Community Charging In Urban Areas Solicitation Concept
 - 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.
- 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/g/hhQAit5MEY?origin=lprLink>



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 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

- Established in 2007 by Assembly Bill 118 (2007)
- Extended to January 1, 2024, by Assembly Bill 8 (2013)
- Provides approximately \$95 million of funding per year through 2023
- Investment Plan determines funding allocations across various categories
- Supports workforce training and development



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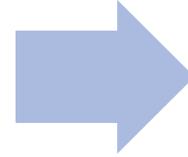
Light-Duty EV Charging Projects

- Commitment to equity across all project areas
- 2023 - 2024 Allocations
 - CalEVIP/CalEVIP 2.0
 - Government Fleets
 - National Electric Vehicle Infrastructure (NEVI)
 - Reliable, Equitable, and Accessible Charging for multi-family Housing (REACH 3.0)
 - Rural Electric Vehicle Charging 2.0 (REV 2.0)
 - Fast and Available Charging for All Californians 2.0 (FAST 2.0)
 - Community Charging in Urban Areas



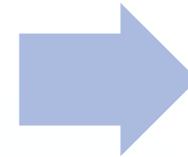
Solicitation Process

**Pre-
Solicitation
Workshop**



**Solicitation
Release**

**Pre-
Application
Workshop**



**Questions &
Answers
Published**

**Applications
Due**



**Notice of
Proposed
Awards**



**CEC
Business
Meeting**



Purpose of Proposed Solicitation

Goals:

- To bring chargers to disadvantaged and low-income communities with the fewest options for public EV charging.
- Utilizing data from the [Senate Bill 1000](#) report, we aim to target urban census tracts across the state with the fewest public EV chargers per capita.

Scope: Level 2 and DCFC chargers for disadvantaged and low-income communities in urban areas.



Proposed Funding

Anticipated funding available:

\$20 million

Up to \$4 million per project



Community Charging in Urban Areas

Eligibility Requirements



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), <https://www.sos.ca.gov>, to enter into an agreement with the CEC
- Encourage project teams that:
 - Are experienced with charger deployments
 - Have adequate resources to complete projects



Proposed Eligible Projects

Requirements:

- Chargers must be located in:
 - Disadvantaged or Low-Income Communities
 - Urban areas
 - In areas below the state average for public chargers per capita
- Chargers must be open and available to the public
- Level 2 and Direct Current Fast Charging (DCFC)
- Technical and reporting requirements that are standard for CEC grants



Proposed Eligible Projects

Disadvantaged Communities

- Communities disproportionately burdened by multiple sources of pollution and with population characteristics that make them more sensitive to pollution.
 - Designated by the California Environmental Protection Agency per Senate Bill 535.



Proposed Eligible Projects

Low-income Communities

- Census tracts with median household incomes at or below 80 percent of the statewide median income or with median household incomes at or below the threshold designated as low-income by the Department of Housing and Community Development's list of state income limits adopted under California Health and Safety Code Section 50093.
 - Assembly Bill 1550 (Gomez, Chapter 369, Statutes of 2016)



Proposed Eligible Projects

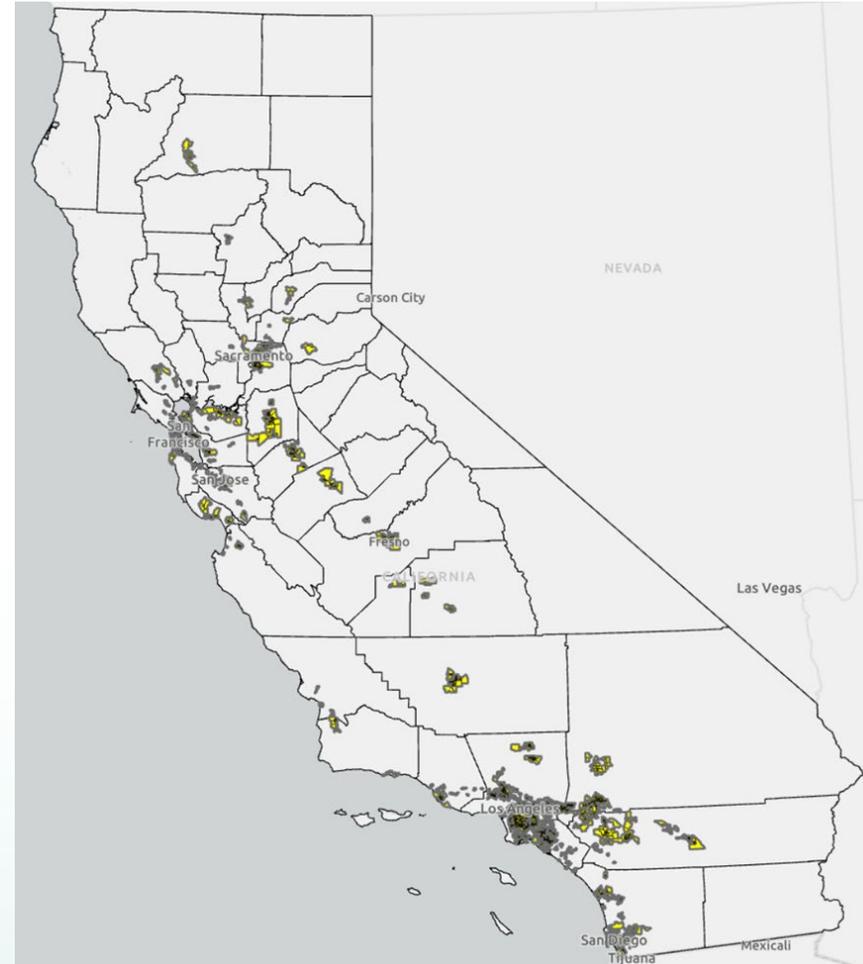
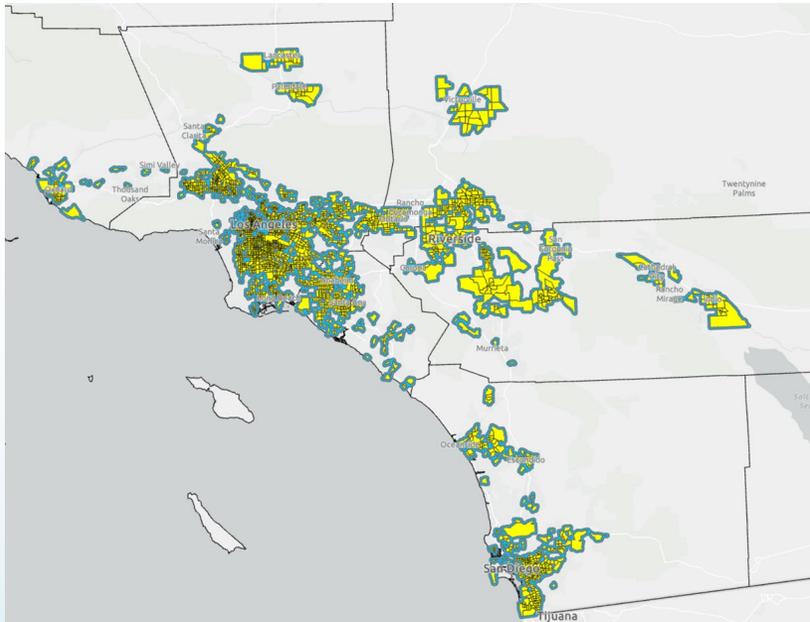
Urban Areas

- Contiguous urban census tracts with a population of 50,000 or greater. Urban census tracts are tracts where at least 10 percent of the tract's land area is designated as urban by the Census Bureau using the 2020 urbanized area criteria.



Eligibility Map

The CEC will provide an interactive map for applicants to easily discover if a potential site meets the solicitation's requirements.





Potential Project Sites



Where communities will be best served

- Community centers
- Libraries
- Schools
- Public places – curbside, parks, public parking lots, etc.
- Churches and faith-based locations



Local Labor Force

- Using local labor would give application additional points in scoring.
- Local means those workers living in the communities that the projects serve.





Discussion #1: Eligible Projects

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. How could CEC best incentivize projects to be built in communities with the fewest public chargers per capita?
2. What would potential applicants like to see in an interactive map to make the application process easier for siting purposes?
3. Do you see any impediments to being able to use local labor on these projects?
 - Is there anything that the CEC could do to further encourage the use of local labor on these projects?



Community Charging in Urban Areas

Charger Requirements



Charger Requirements

- Level 2
- DCFC
- Open to the public
 - Charging stations shall be publicly accessible and accommodate safety requirements of EV drivers. The following requirements apply:
 - Chargers must be publicly available and accessible at least 18 hours per day. **Chargers that are restricted to paying customers (e.g. within a tolled parking garage) are eligible if the site is available to the public at least 18 hours per day.**
- Standard CEC compliance required
 - OCPP, ISO 15118 ready
 - More information: [CEC Docket: 19-AB-2127](#)



Charger Requirements

Charger Type

Must be SAE standardized.

SAE standardized:

CCS

Charge de Move (CHAdeMO)

Under Development:

J3400 from Tesla's North
American Charging
Standard (NACS)*





Charger Requirements

Charger Output

- Output minimum per port
 - Level 2
 - 6.2 kW
 - DCFC
 - 150 kW





Charger Requirements

Charger Port Minimum

- Solicitation will require a minimum number of charger ports.
 - Minimum per application (multiple communities)
 - 40?
 - 60?
 - 100?





Discussion #2: Charger 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. Chargers will be required to be open to the public. Do you expect any issues with requiring chargers to be open to the public for at least 18 hours per day?
2. What are your thoughts on allowing projects to use any of the SAE standardization charger types?
3. What is a feasible charging port minimum count per application?
4. Do applicants anticipate using a mix of DCFC and Level 2 chargers or will applicants choose one level of charging over the other?
 - Is a mixture of DCFC and Level 2 feasible for the same site?



Community Charging in Urban Areas

Eligible Costs and Match



Eligible Costs



CEC Funds

- site design
- installation
- labor
- site preparation
- upgrade for utility connections
- signage
- maintenance and equipment necessary to implement and operate the proposed charging station



Eligible Costs



Charger Costs

Level 2 Chargers:

- No more than **\$12,500** in CEC funds per charging port installed.

DCFC Chargers:

- No more than **\$100,000** in CEC funds per charging port installed.



Eligible Costs



Match Share

For-profit applicants would provide a minimum of 20% of total project costs as match share.

Public and non-profit applicants, no match would be required.



Discussion #3: Reimbursable Costs and Match

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. Is the match share minimum of 20% of total project cost reasonable?
2. Any questions about what costs are eligible to be reimbursed by CEC funds?



Community Charging in Urban Areas

Standard Solicitation Requirements



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 and DMS requirements.



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



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.

1. Eligible Projects
2. Charger Requirements
3. Eligible Costs and Match



Proposed Schedule

Activity	Action Date (Tentative)
Solicitation Release	Summer of 2024
Pre-Application Workshop	Summer of 2024
Deadline to Submit Applications	Fall of 2024
Anticipated Notice of Proposed Awards Posting	Q1 2025
Anticipated CEC Business Meeting Approval	Q2 2025



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 Community Charging in Urban Areas"

All comments due by 5:00 pm on April 5, 2024



Thank You!

