

TCEP Cycle 5 Zero-Emission Vehicle Infrastructure Call for Concepts



Director's Office of
Sustainability

January 8, 2026

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Director's Office of Sustainability

How to Participate



Join by Computer (Live Stream)

Audio:

- Participants connecting to the meeting through the project website should automatically be connected to audio through their computer or device speakers.
- Participants will be in listen-only mode, but can request to speak (next slide).
- Participants may choose to listen to the meeting by phone if the internet connection is bad (next slide).

Meeting info at: <https://publicinput.com/c14604#tab-71567>

How to Participate



Participate by Phone – How to Speak

Dial: 855-925-2801, enter meeting code: 9575

Press 1 to listen to the meeting through the phone.

Only do this if you have a bad audio connection on your computer or are not listening via computer livestream.

Press 2 to leave a recorded comment.

Press 3 to be added to the speaker queue.

You will be prompted when it is your turn to speak.

Please **mute** computer speakers when your speaking time begins.

State your name and affiliation prior to speaking.

Meeting info at: <https://publicinput.com/c14604#tab-71567>

How to Participate

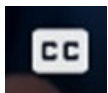


Participate by Chat

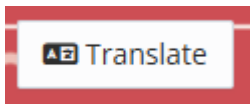
Comment/Chat:

- During the live streamed meeting only, there is a comment box next to this video.
- Comments or questions submitted here get sent directly to the meeting hosts. Viewers cannot see other viewers' comments.
- To submit a comment outside of the meeting, please use the participate tab in the [project website](#) or email us at: tcep_cycle5_zev@publicinput.com.

Closed Captioning:



- Click the CC icon to turn **closed captioning** on or off.



- To change the closed captioning language, scroll to the top of page to find the **Translate** button. Select the language you prefer.

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Goals and Outline of Workshop



Goal: gather public input to inform Caltrans' process for nominating ZEV infrastructure projects to Cycle 5 of the Trade Corridor Enhancement Program (TCEP)

Workshop Outline

1. Program background
 - a) Cycle 4 Nomination Process
 - b) Cycle 4 Outcomes
2. Cycle 5 Nomination Process
 - a) Timeline
 - b) Draft Questions
 - c) Draft Evaluation Criteria
3. Questions and discussion



About

Caltrans manages more than 50,000 miles of California's highway and freeway lanes, provides inter-city rail services, permits more than 400 public-use airports and special-use hospital heliports, and works with local agencies. Caltrans carries out its mission with six primary programs: Aeronautics, Highway Transportation, Mass Transportation, Transportation Planning, Administration and the Equipment Service Center.

Vision

A thriving and connected California.

Mission

Improving lives and communities through transportation.

Goals

Safety, Equity, Climate Action, Prosperity, and Employee Excellence



Director's Office of Sustainability



In coordination with Caltrans Divisions and Districts, other state agencies, and external partners, the Director's Office sets the Department's ZEV strategy, which includes actions such as:

- Transitioning the Caltrans vehicle fleet, including locomotives, to ZEVs.
- Installing charging stations at Caltrans workplaces and public charging stations along the State Highway System.
- Investing in public charging accessibility through competitive grant programs.
- Supporting local transit agencies' transition to zero-emission technology through funding and technical assistance.
- Incentivizing the adoption of zero-emission freight technology across the state.



Trade Corridor Enhancement Program (TCEP)



- Administered by the California Transportation Commission (CTC); Caltrans and local agencies are eligible to apply for TCEP funding
- Funds infrastructure improvements that support the movement of freight, including ZEV infrastructure
- Supported by state (SB 1) and federal (National Highway Freight Program) funds, approximately \$1 billion every two years
- Supports goals of the:
 - California Freight Mobility Plan
 - California Sustainable Freight Action Plan
 - Senate Bill 671 Clean Freight Corridors Efficiency Assessment

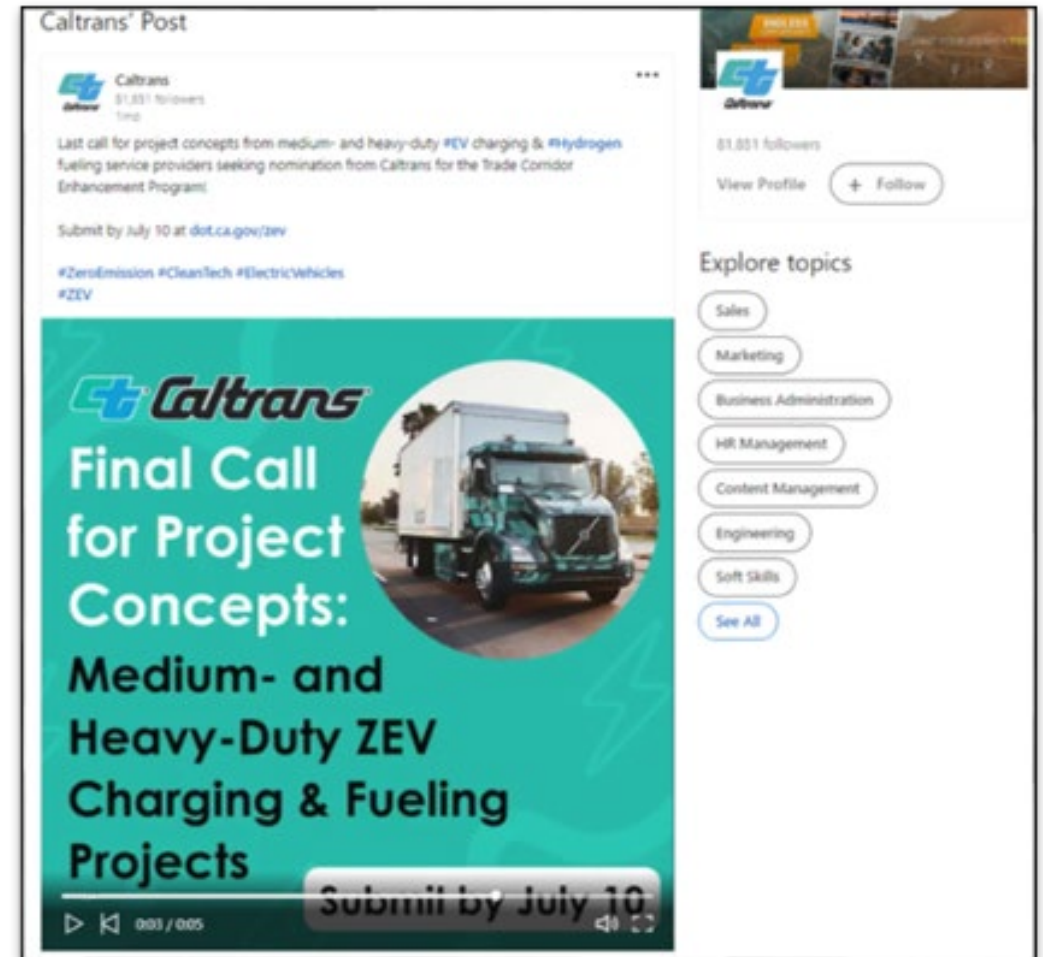


TCEP Cycle 4 Process and Timeline



Timeline

- **June 20 – July 10, 2024:** [Call for ZEV infrastructure project concepts](#) open
 - Included questions, guide, and FAQs
- **August 28, 2024:** Notification of projects selected for Caltrans' nomination
- **November 22, 2024:** Projects submitted to CTC
- **June 6, 2025:** CTC staff recommendations released
- **June 26, 2025:** CTC awards announced



TCEP Cycle 4 Outcomes



- **July 2024:** 31 project submissions to Caltrans from 26 companies
 - \$689M in TCEP funding requested
 - 29% of requested funds were for hydrogen fueling
- **November 2024:** 11 projects nominated by Caltrans to the CTC requesting \$127M in TCEP funding
 - 9 charging and 2 hydrogen fueling projects
 - 27% of the ZEV funding nominated by Caltrans was for hydrogen fueling
- **June 2025:** 6 projects were awarded by the CTC to Caltrans totaling \$70M
 - Will support 356 charging ports at 13 locations



TCEP Cycle 4 ZEV Project Locations



TCEP Cycle 5 Nomination Process

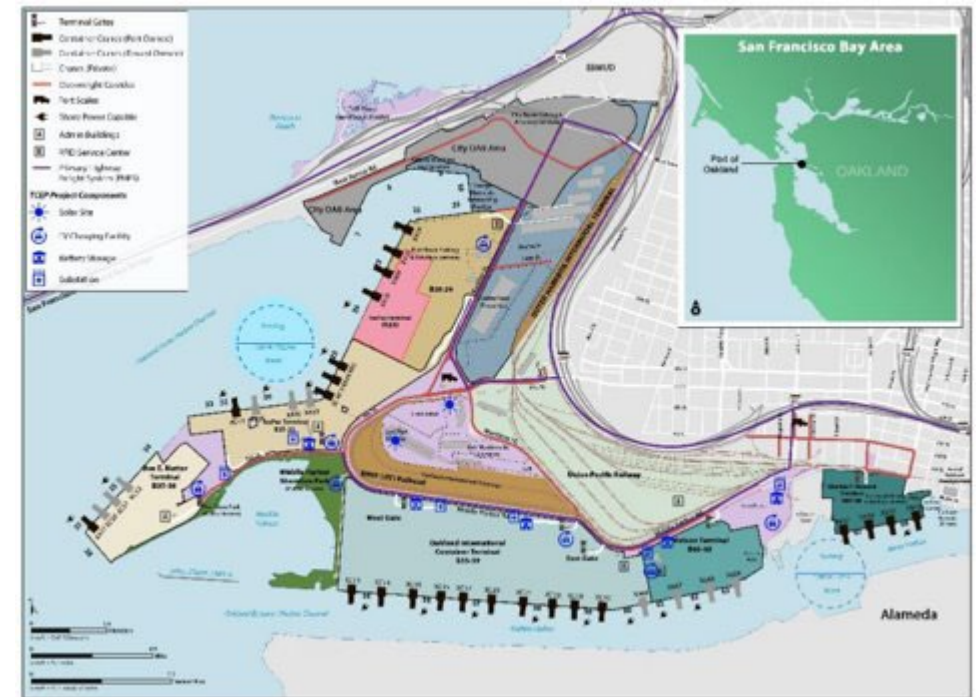


Eligibility

- Project plans, specifications, and estimates; right-of-way; and construction phases.
- TCEP funds may not be used for the Project Approval and Environmental Documents phase.
- Projects that utilize funding for equipment and construction related costs will be prioritized.

Project cost

- Project concepts are to be less than **\$30 million in total project costs** per applicant, no matter the number of proposed sites.
- Recommended to provide a private, **cash match of at least 50%**. Projects with less match will still be considered.



Port of Oakland Microgrid – TCEP Cycle 3 Project

Timeline for Cycle 5



January: Public workshop to inform call for project concepts

Early February: Call for project concepts released

Early April: Call for project concepts due to Caltrans

April – July: Caltrans' review

August: Projects selected for nomination to CTC

August – November: Companies develop application package for CTC

November: Applications submitted to CTC

June 2027: Awards made by CTC

December 2027: CEQA must be complete



Cycle 5: Draft Call for Concepts Questions



Like the Cycle 4 call for concepts, Caltrans proposes five categories of questions for Cycle 5:

1. Readiness
2. Cost Effectiveness
3. Equity
4. Team Qualifications
5. TCEP Alignment



Cycle 5: Draft Call for Concepts Questions



Readiness

1. Describe the status of site agreement (e.g., own, lease, letter of intent, purchase and sale agreement), including location of the site(s).
2. Describe the timeline for the planning, design, right-of-way, and construction phases.
3. When is California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) clearance expected for the site? (Needed by Dec. 2027)
4. Has the utility verified its ability to provide sufficient power to the site?
 - Describe electric infrastructure upgrades be needed on either the utility or customer side of the meter.
5. Describe any grid resiliency efforts such as battery storage, solar panels, and load management strategies.
6. Describe the source of hydrogen, e.g., electrolysis, and how hydrogen will be supplied to the site, including any fuel contracts secured.

Cycle 5: Draft Call for Concepts Questions



Cost Effectiveness

1. Total project cost; site by site subtotal costs if proposing multiple sites
2. TCEP funding request
3. Match funding (private and other public funding)
4. Number of truck charging stalls
5. Number and power of charging ports
6. Simultaneous site charging capacity
7. Hydrogen fueling capacity per day (kg H₂/day)
8. Number of H₂ fueling nozzles and nozzle flow rate (H₂ kg/min)

Cycle 5: Draft Call for Concepts Questions



Equity

1. Describe the land use surrounding the project site, e.g., proximity to existing warehouses, distribution centers, port of entries (land and maritime), other fueling facilities, residences.
 - Is the project located in a disadvantaged community or low-income community?
2. Is the project expected to increase truck traffic on roads not traditionally served by commercial trucks?
 - Describe strategies to avoid impacts of the project on residents and businesses within the project area.
3. Describe completed, on-going, or planned community engagement.
4. Describe the local economic benefits expected from this project and workforce development plans.
5. Describe other community benefits planned for this project.

Cycle 5: Draft Call for Concepts Questions



Team Qualifications

1. Describe the project team's:
 - Experience deploying Medium-Heavy Duty (MHD) ZEV projects
 - Entering into agreements with government agencies (e.g., successful grant award reporting and administration)
 - Meeting deadlines and completing milestones associated with large, complex projects, including examples of previously completed projects

Cycle 5: Draft Call for Concepts Questions



TCEP Alignment

1. Proximity to “Top 6” and “Top 34” SB 671 Clean Freight Corridors
2. Describe freight sector(s) served by project site, intended customers, and use case, e.g., overnight charging, opportunity charging, etc.
3. Will the site be publicly accessible, private, or shared use? Will the site use a reservation system?
4. Is there space and utility capacity to add fuel dispensers or charging ports in the future?
5. Will the site support any new truck parking spaces, including non-charging spaces, i.e., to help alleviate the state’s truck parking shortage?
6. Describe customer service available to users of the site (e.g., hours of availability, on-site, remote).
7. Describe existing or planned site amenities such as restrooms, showers, food, or other services.

Cycle 5: Draft Evaluation Criteria

Five categories worth 5 points each based on sub-criteria:

1. **Readiness:** (i) site control, (ii) project timeline, (iii) energization/fuel supply strategy
2. **Cost Effectiveness:** TCEP funding per kW or kg of hydrogen (top 1/4 = 5 pts, middle 1/2 = 3 pts, lower 1/4 = 1 pt)
3. **Equity:** (i) community impacts/benefits, (ii) community engagement, (iii) workforce development
4. **Team Qualifications:** (i) experience with charger or fueling installations, (ii) grant management, (iii) project delivery
5. **TCEP Alignment:** (i) strategic location, (ii) business model and industry needs, (iii) driver needs (truck parking, amenities)

Ratings of highly recommend, recommend, or not recommend given for overall project.

Evaluation criteria used in TCEP Cycle 4

Technical Evaluation Criteria		
Project Readiness		
Highly Qualified	Qualified	Not Qualified
The response demonstrates all of the following: (1) a clear plan to site control or access; (2) a clear plan to securing necessary permits and environmental clearance; <u>AND</u> (3) a strategy for site energization and minimizing grid impacts or securing hydrogen supply	The response demonstrates at least one of the following: (1) a clear plan to site control or access; (2) a clear plan to securing necessary permits and environmental clearance; <u>OR</u> (3) a strategy for site energization and minimizing grid impacts or securing hydrogen supply	The response contains does not demonstrate any of the following: (1) a clear plan to site control or access; (2) a clear plan to securing necessary permits and environmental clearance; <u>OR</u> (3) a strategy for site energization and minimizing grid impacts or securing hydrogen supply
Budget		
(1) Project budget does not exceed \$30 million in TCEP funding; (2) private cost match of at least 50%; <u>AND</u> (3) ranks in the top half of project concepts received for the total TCEP funding request cost per kW installed or kg H ₂ installed	(1) Project budget does not exceed \$30 million in TCEP funding; (2) private cost match of at least 50%; <u>OR</u> (3) ranks in the top half of project concepts received for the total TCEP funding request cost per kW installed or kg H ₂ installed	(1) Project budget does not exceed \$30 million in TCEP funding; (2) private cost match of at least 50%; <u>OR</u> (3) ranks in the top half of project concepts received for the total TCEP funding request cost per kW installed or kg H ₂ installed
Equity		
(1) Air quality benefits to disadvantaged communities (see definition below); (2) consideration of the project's impacts on the surrounding community; <u>AND</u> (3) commitment to workforce development	(1) Air quality benefits to disadvantaged communities (see definition below); (2) consideration of the project's impacts on the surrounding community; <u>OR</u> (3) commitment to workforce development	(1) Air quality benefits to disadvantaged communities (see definition below); (2) consideration of the project's impacts on the surrounding community; <u>OR</u> (3) commitment to workforce development
Team Qualifications		
(1) Project will be led by a team experienced with MHD charger or H ₂ installations; (2) project team has successful experience working with government agencies and public funding; <u>AND</u> (3) project team is experienced in completing large complex projects on time	(1) Project will be led by a team experienced with MHD charger or H ₂ installations; (2) project team has successful experience working with government agencies and public funding; <u>OR</u> (3) project team is experienced in completing large complex projects on time	(1) Project will be led by a team experienced with MHD charger or H ₂ installations; (2) project team has successful experience working with government agencies and public funding; <u>OR</u> (3) project team is experienced in completing large complex projects on time
Strategic Alignment		
(1) project locations within five miles of an SB 671 corridor; (2) project supports industry's charging or hydrogen fueling needs; <u>AND</u> (3) project supports the needs of truck drivers	(1) project locations within five miles of an SB 671 corridor; (2) project supports industry's charging or hydrogen fueling needs; <u>OR</u> (3) project supports the needs of truck drivers	(1) project locations within five miles of an SB 671 corridor; (2) project supports industry's charging or hydrogen fueling needs; <u>OR</u> (3) project supports the needs of truck drivers

Questions for Discussion



1. Call for concepts timeline

2. Sites

- Location disclosure at address level

3. Project funding

- Proposed cap of \$30M project cost
- Recommended private match of 50%

4. Evaluation criteria

- Five categories and sub-criteria
- Conduct evaluations individually for each site in one application



Dial: 855-925-2801, enter meeting code: 9575
Press 2 to record a comment
Press 3 to be added to speaker queue

Comment Period



We will continue to accept comments until January 23, 2026

To submit a comment, please use the participate tab in the [project website](#) or email us at: tcep_cycle5_zev@publicinput.com.

Thank you!

tcep_cycle5_zev@publicinput.com

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