CEC Funding Programs for ZEV Infrastructure
2026 Spring CalACT Conference

April 14, 2026

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Origins of the Clean Transportation Program

- Transportation sector: significant greenhouse gas emissions and public health impacts
- Pollution disproportionately burdens vulnerable and disadvantaged communities
- Clean Transportation Program created to invest in a cleaner, healthier transportation system
- AB 118 (2007) created Clean Transportation Program
- AB 126 (2023) reauthorized through July 1, 2035
- Provides up to $100 million per year

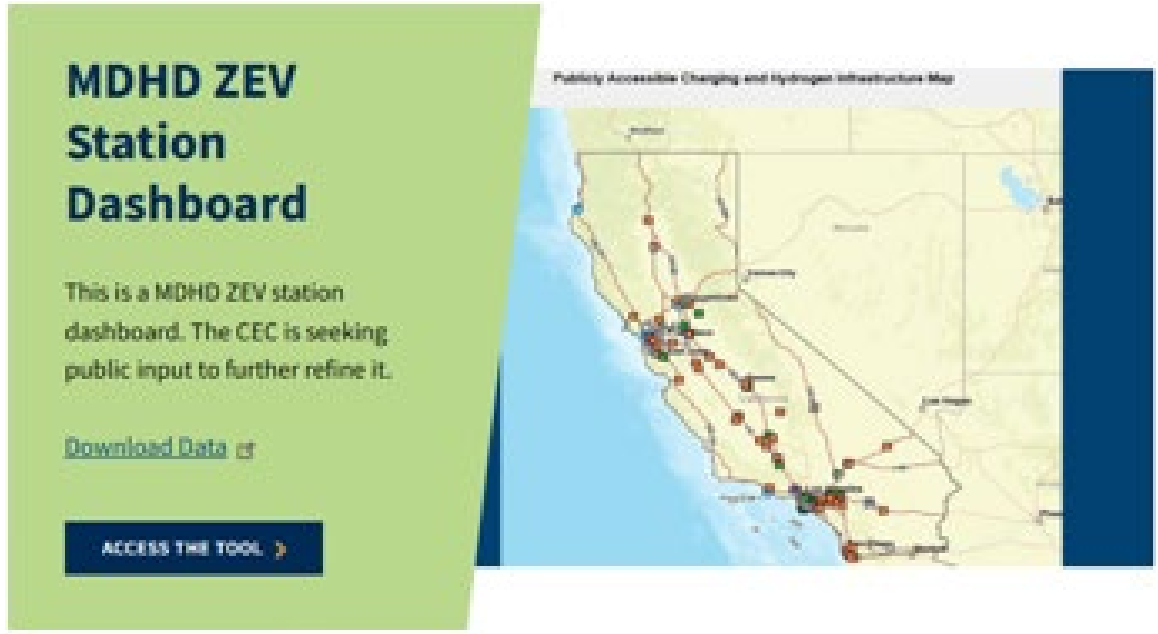
Three Ways CEC is Advancing the Zero- Emission Vehicle (ZEV) Transition

- ZEV infrastructure planning and analysis
- Regulations and charging standards
- Funding programs for ZEV charging and refueling infrastructure, manufacturing, and workforce development

CEC ZEV Dashboard

Vehicle and Infrastructure Statistics at your fingertips

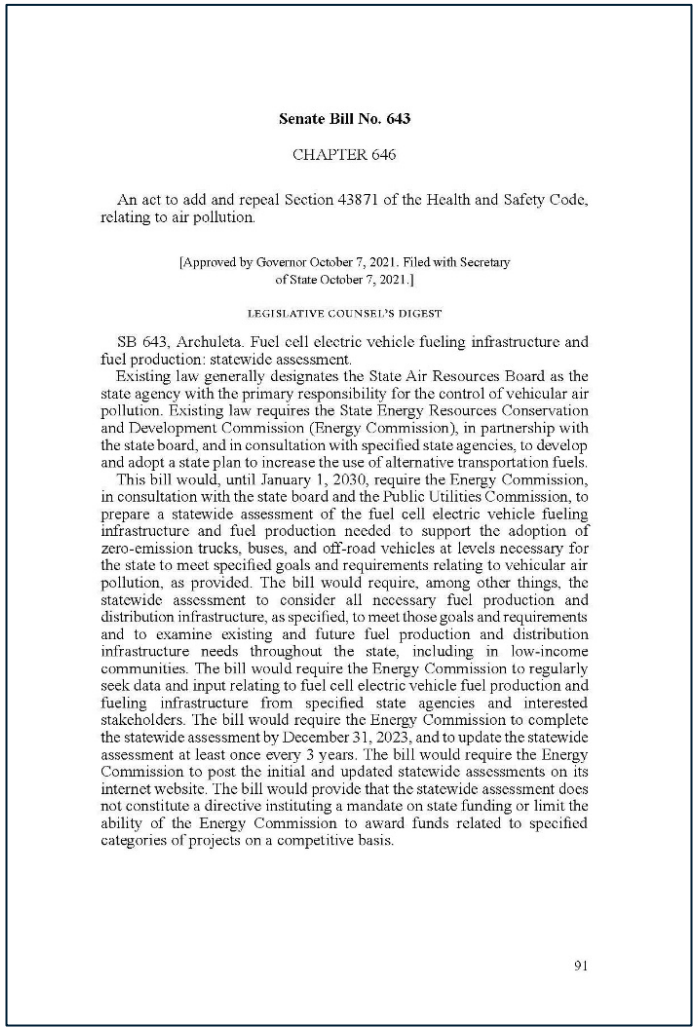
- New ZEV sales
- Light-duty vehicles
- Medium- and heavy-duty vehicles
- EV chargers
- Hydrogen stations
- CEC funded school buses and chargers



- New data or corrections can be submitted to: MDHD_dashboard@energy.ca.gov
- For media inquiries, contact: mediaoffice@energy.ca.gov

https://www.energy.ca.gov/data-reports/energy-almanac/zero-emission-vehicle-and-infrastructure-statistics

Medium-and Heavy-Duty Hydrogen Infrastructure Assessment



Senate Bill No. 643

CHAPTER 646

An act to add and repeal Section 43871 of the Health and Safety Code, relating to air pollution.

[Approved by Governor October 7, 2021. Filed with Secretary of State October 7, 2021.]

LEGISLATIVE COUNSEL'S DIGEST

SB 643, Archuleta. Fuel cell electric vehicle fueling infrastructure and fuel production: statewide assessment.

Existing law generally designates the State Air Resources Board as the state agency with the primary responsibility for the control of vehicular air pollution. Existing law requires the State Energy Resources Conservation and Development Commission (Energy Commission), in partnership with the state board, and in consultation with specified state agencies, to develop and adopt a state plan to increase the use of alternative transportation fuels.

This bill would, until January 1, 2030, require the Energy Commission, in consultation with the state board and the Public Utilities Commission, to prepare a statewide assessment of the fuel cell electric vehicle fueling infrastructure and fuel production needed to support the adoption of zero-emission trucks, buses, and off-road vehicles at levels necessary for the state to meet specified goals and requirements relating to vehicular air pollution, as provided. The bill would require, among other things, the statewide assessment to consider all necessary fuel production and distribution infrastructure, as specified, to meet those goals and requirements and to examine existing and future fuel production and distribution infrastructure needs throughout the state, including in low-income communities. The bill would require the Energy Commission to regularly seek data and input relating to fuel cell electric vehicle fuel production and fueling infrastructure from specified state agencies and interested stakeholders. The bill would require the Energy Commission to complete the statewide assessment by December 31, 2023, and to update the statewide assessment at least once every 3 years. The bill would require the Energy Commission to post the initial and updated statewide assessments on its internet website. The bill would provide that the statewide assessment does not constitute a directive instituting a mandate on state funding or limit the ability of the Energy Commission to award funds related to specified categories of projects on a competitive basis.

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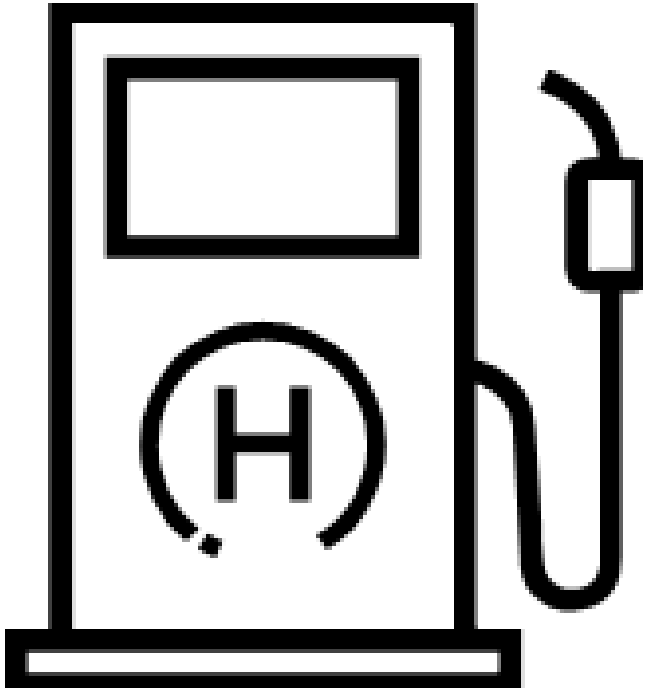
- Established by Senate Bill 643 (Archuleta, 2021)
- Statewide assessment of hydrogen refueling infrastructure for medium- and heavy-duty FCEVs, off-road applications and clean H2 supply
- Inaugural report published 2023; second is due by December 31, 2026

Key Takeaways from 2023 Assessment

- Variance between MDHD infrastructure scenarios demonstrated level of uncertainty
- Fuel cell electric buses are no longer demonstrating, they are part of transit fleets
- Off-road/nonroad fuel cell electric applications are predominately demonstrations
- Clean hydrogen production needs to ramp up to meet anticipated demand



https://www.energy.ca.gov/publications/2023/senate-bill-643-clean-hydrogen-fuel-production-and-refueling-infrastructure

Charging Infrastructure Assessment

Source: CEC

2035: 100% ZEV Light Duty Sales

Source: CEC

- 2035: 100% ZEV operations for drayage trucks
- 2035: 100% ZEV off-road vehicles and equipment, where feasible

2045: 100% ZEV operations for medium- and heavy-duty vehicles, where feasible

Recently closed funding lanes

Transit Set-Aside

- $23,858,238.78 awarded ($17,407,860 H2 projects)

Drayage Set-Aside

- $65,033,277.89 awarded ($20M H2 projects)

Fast Track 2025 (2025 Consolidated Funding Lane)

- $25,928,987.68 awarded ($4.5M H2 project)

CEC Medium-and Heavy-Duty ZEV Infrastructure Solicitations

MDHD ZEV Port Infrastructure

GFO-24-610

- ZEV Infrastructure at seaports and land ports of entry
- **$60M** proposed

Implementation of MDHD Blueprints 2.0

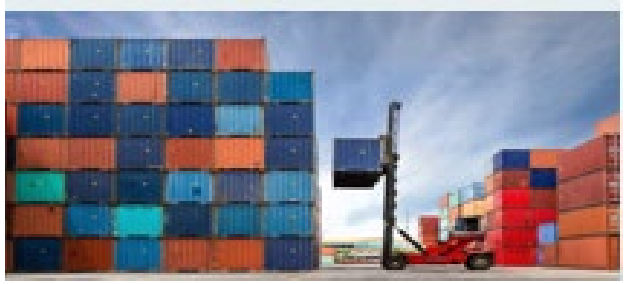
GFO-24-611

- Implementation of MDHD ZEV infrastructure plans identified in prior CEC-funded final planning documents
- **$40M** proposed

Depot Charging and Refueling Infrastructure

GFO-24-612

- Depot charging and hydrogen refueling infrastructure for MDHD On-road, Off-road, and specialty ZEVs
- **$30M** proposed



Potential MDHD Infrastructure Funding Opportunities

Name of Solicitation	Release Date	Eligible Fuel Type	Eligible Project Type	Amount $ (million)
Hydrogen Infrastructure Project Opportunity (HIPO) Information is available on the event page	04/06/2026	Hydrogen Only	Light Duty Medium Duty Heavy Duty	$40
CRITICAL PATHS 3.0	Q3 2026	Hydrogen Battery Electric	Medium Duty Heavy Duty (Public infrastructure along eligible corridors)	$30
AB 126 solicitation	Q3 2026	Hydrogen Only	TBD	$15
Transit-specific solicitation	TBD	Hydrogen Battery Electric	TBD	TBD

Photo credit: CEC

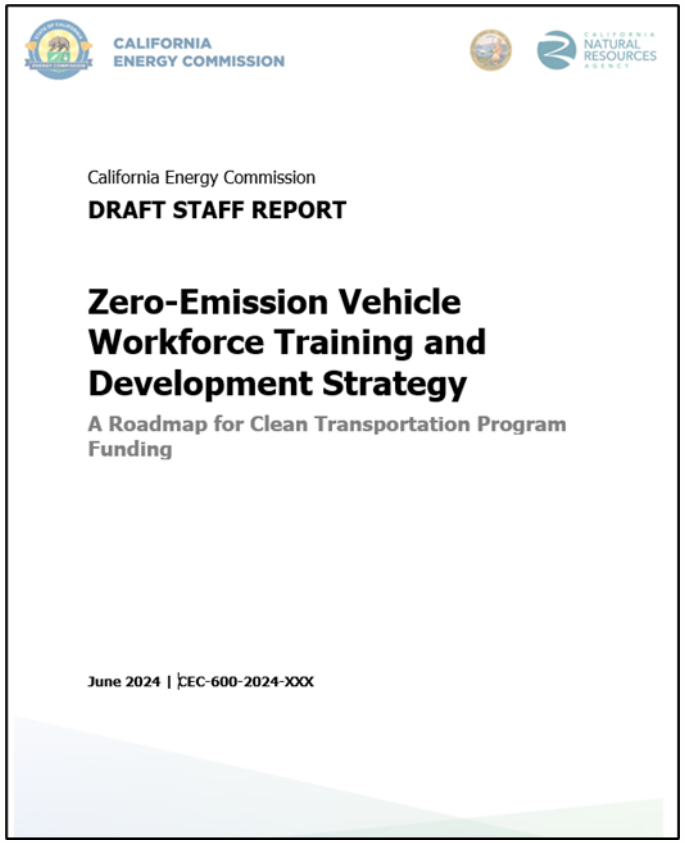
CEC ZEV Workforce Strategy & Funding Update

Workforce cumulative awards: more than $44 million
Available funds: $10.4 million

Fiscal Year	Workforce Allocation	Available
2020-21	$2.5	$0.0
2021-22	$5.0	$0.0
2022-23	$5.0	$3.4
2023-24	$5.0	$5.0
2024-25	$2.0	$2.0

Source: California Energy Commission

https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/clean-transportation-program-investment



https://www.energy.ca.gov/publications/2024/zero-emission-vehicle-workforce-training-and-development-strategy-roadmap-clean

Challenges with funding ZEV Infrastructure

COST

- Wide range of prices
- Utility equipment and labor varies
- Customer equipment and labor varies
- Supply chain issues

PROJECT DEVELOPMENT TIMELINES

- Permitting processes
- Construction delays: weather/unknown risks
- Delays due to bidding requirements requirements

Eligibility Requirements for CEC Medium-and Heavy-Duty ZEV Infrastructure Solicitations

- Purpose of Solicitation
- Applicant Requirements
- Project Requirements
- Minimum Technical Requirements
- Site Requirements
- Project Team and Partners
- Application Deadlines

How do I find out about Clean Transportation Program Solicitations?

Visit the CEC's website

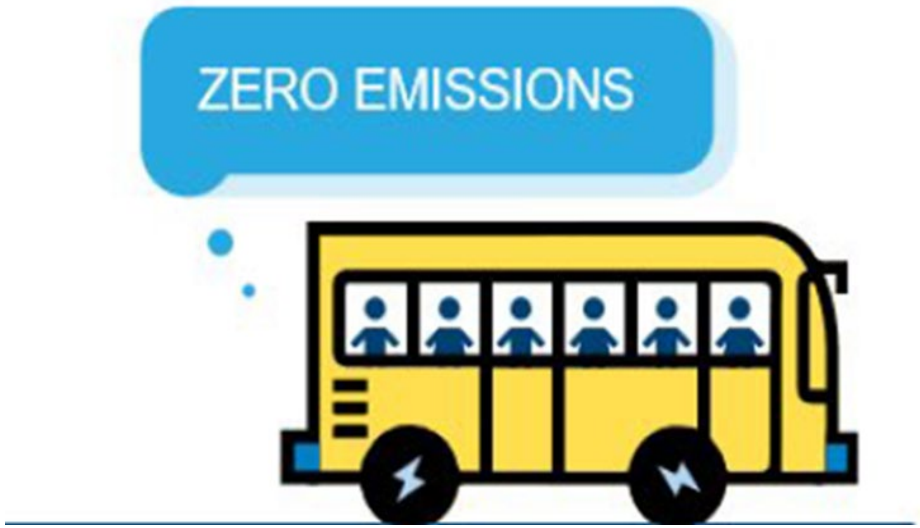
To find out information about Clean Transportation Program solicitations that are currently available, visit our website at:
https://www.energy.ca.gov/funding-opportunities/solicitations

Sign-up for Subscriptions

To receive emails regarding activities and funding opportunities for the Clean Transportation Program, you can sign-up for Transportation Energy subscriptions at:
https://www.energy.ca.gov/subscriptions

Subscribing to the Solicitations and Awards Announcements Only list will provide email notifications about all CEC funding opportunities at:
https://public.govdelivery.com/accounts/CNRA/signup/31874

Thank You

CEC Contact

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