

# California Energy Commission: ZEV Infrastructure Incentives

September 22, 2022

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Medium- and Heavy-Duty Zero Emission Technologies Branch
Fuels and Transportation Division



### **Clean Transportation Program Origins** in Statute

### Assembly Bill No. 8

An act to amend Sections 41081, 44060.5, 44125, 44225, 44229, 44270.3. ABJACT10 SIMERIA SECRIORIS 91/081, 94/00/23, 99123, 94/23, 94/25, 94/271, 44/271, 44/273, 44/274, 44/275, 44/280, 44/281, 44/282, 44/283, 44/287, and 44299 2 of to add and repeal Section 43018 9 of and to repeal ann 44277 201, to ann ann repress precions 42747 01, ann ar septem 14299 of, the Health and Safety Code, to amend Sections 42885 Section 49,277 U. use recasa ann marry vone, or essense sections 2000, and 42839 of the Public Resources Code, and to amend Sections 9250.1, to 442839 of the Public Resources Code, and to amend Sections 9230.1, 50.2, 9261.1, and 9853,6 of the Vehicle Code, relating to vehicular air lution, and declaring the urgency thereof, to take effect immediately.

[Approved by Governor September 28, 2013. Filed with Secretary of State September 28, 2013.]

AB 8, Perea. Alternative fuel and vehicle technologies: funding p Ad a, Perca, Americance mer and venture recommengers, tumoning perspanse.

(1) Existing law establishes the Alternative and Renewable Fuel and to how entangeness une restremence man avenerance when and ology Program, administered by the State Energy Resources.

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3 years, as reported to the state board, and the number of hydrogen-fields

- Established by Assembly Bill 118 (Nunez, 2007)
- Provides up to \$100 million per year
- Extended to January 1, 2024 by Assembly Bill 8 (Perea, 2013)

### **General Funds from ZEV Package**

### to be Administered by the CEC



\$250 million - for zero-emission drayage trucks

\$25 million - for drayage truck and infrastructure pilot



\$90 million - for transit buses

\$50 million - for school buses



\$250 million - for ZEV manufacturing grants

\$500 million - for ZEV infrastructure

\$785 million appropriated in Budget Act of 2021;

\$380 million anticipated in FY 2022-23 and 2023-24

The budget prioritizes diesel emission reduction by earmarking funding to replace







with zero-emission alternatives and refueling infrastructure

And to accelerate charging and hydrogen refueling stations and promote ZEV-related manufacturing

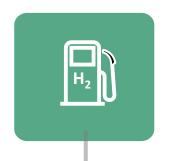












### **EV Fast-Track**

Applicants in this funding lane are ready to go and may already have prior experience applying for commercial MD/HD EV funding

### **EV Jump Start**

Applicants in this funding lane will need to meet specific eligibility criteria and will be allotted more time to submit required documents

## **EV Public Charging Station**

Applicants in this funding lane intend to develop publicly available charging stations for commercial MHD EVs

### Hydrogen

Applicants in this funding lane intend to develop a hydrogen infrastructure project for commercial MHD vehicles



### Workforce Development and Training



Photo credit: City of Culver City

Photo credit: AC Transit



### **EV Charging Assessments**

Road and Highway Electrification

Other EVs

Existing Chargers

Counting Chargers

Including in Low-income Communities (SB 1000)

Future Chargers

Electric Vehicle Infrastructure Projections (EVI-Pro 2) Electric Vehicle Infrastructure for Road Trips (EVI-RoadTrip) Widespread
Infrastructure for
Ride-hailing EV
Deployment
(WIRED)

Medium- and Heavy-Duty EV Infrastructure Load, Operation, and Deployment (HEVI-LOAD)

Off-Road, Port and Airport Electrification

Charging Hardware and Software (Equipment Components, Standards, and Interoperability)

Make-Ready Electrical Equipment (Community-Centric Plans, Building Codes, and Grid Evaluation)

Other Programs to Accelerate the Adoption of Electric Vehicles (*Incentives, Investments, and Others*)

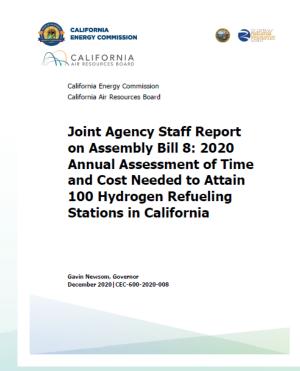


### **Hydrogen Refueling Assessments**

The "Annual Evaluation" prepared by the California Air Resources Board (CARB) each summer

The "Joint Report" prepared by the Energy Commission and CARB each winter









## Thank you

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