Clean Transportation Program
Origins in Statute

• Established by Assembly Bill 118 (Nunez, 2007)

• Provides approximately $95.2 million per year

• Extended to January 1, 2024 by Assembly Bill 8 (Perea, 2013)
Highlights of Investments 2009-2021

- 13,000+ Installed or Planned Chargers
- Creation of Efficient Block Grants for ZEV Infrastructure
- 83 New or Upgraded Publicly Available Hydrogen Refueling Stations
- 27 ZEV or ZEV Infrastructure Manufacturing Projects
- Workforce Training for More than 22,000 Trainees and 277 Businesses
- 71 Low-Carbon, Sustainable Fuel Production Projects within California
- Leveraged over $734 Million in Private and Other Public Funds
Commitment to Inclusion, Diversity, Equity and Access

- Collaboration with the Disadvantaged Communities Advisory Group
- Prioritize and invest in proper community outreach and engagement
- Partner with local community-based organizations
- Develop metrics that go beyond funding locations
- Seeking to provide 50% of Clean Transportation Program funds to benefit low-income and disadvantaged communities
Clean Transportation Program Funding as of April 2021*

*Results subject to change with CES 4.0 update, adding Tribal areas.
ZEV Statistics

Total Electric Vehicle Chargers in California
Total Public and Shared Private Electric Vehicle Chargers

- Public: 44.26% (32,507)
- Shared Private: 55.74% (40,936)

Source: https://www.energy.ca.gov/data-reports/energy-insights/zero-emission-vehicle-and-charger-statistics
Progress Report
250,000 Chargers by 2025

- 183,031 Total Level 2 Chargers
- 240,000 Level 2 Charger Goal
- 9,570 Total DC Fast Chargers
- 10,000 DC Fast Charger Goal

2020

- 64,081 Existing Level 2 Chargers (Estimated)
- 118,950 With Funding Allocated Level 2 Chargers (Including CTP, Utilities, and Other Sources)
- 56,969 Gap from 2025 Goal

2025

- 5,963 Existing DC Fast Chargers (Estimated)
- 3,607 With Funding Allocated DC Fast Chargers (Including CTP, Utilities, and Other Sources)
- 430 Gap from 2025 Goal
2030 Goals: AB 2127 report

Figure 1: Projected 2030 Charger Counts to Support 5 Million and 8 Million Light-Duty Zero-Emission Vehicles

Source: https://efiling.energy.ca.gov/getdocument.aspx?tn=238032
Light-Duty EV Charging Infrastructure Investments

Block Grants
- CALeVIP
  - $193 million in CEC rebates + $36 million from funding partners
  - >$250 million oversubscription
- Second Block Grant for Light-Duty Electric Vehicle Charger Incentive Projects
  - Open solicitation; applications due tomorrow (June 11th, 2021)

Other Funding Opportunities
- Blueprints, Phase I and II
- BESTFIT
- Coming this year: Infrastructure to serve:
  - Ridehailing and other on-demand fleets
  - Multi-unit dwelling residents
  - Rural drivers
Measuring Access to Fast Charging with New Drive Time Analysis

Legend
- Census Tract Center
- DC Fast Charging Station
- Shortest Route

12 minutes
2 minutes
Potential to Serve Disadvantaged Communities with Long Drive Times

DC Fast Charging Access in Disadvantaged Communities by Drive Time
- More than 10 minutes to nearest station
- Between 5 and 10 minutes
- At or less than 5 minutes

Sources:
AFDC (February 2021)
CES 3.0
Publicly-Available Hydrogen Station Investments

Progress Report
200 Hydrogen Fueling Stations by 2025

- 47 OPEN RETAIL HYDROGEN FUELING STATIONS
- 132 IN DEVELOPMENT HYDROGEN FUELING STATIONS
- 21 GAP FROM 2025 GOAL

2020
2025

$166 million

HYDROGEN FUNDING ALLOCATED TO DATE

200 PUBLIC STATIONS
200 STATION GOAL
H₂ Station Capacity Increasing, Costs Decreasing

Source: 2020 AB 8 Joint Agency Staff Report
Medium- and Heavy-Duty (MD/HD) ZEV Infrastructure Investments

- Block Grant for MD/HD ZEV Infrastructure Incentive Projects
- Blueprints for MD/HD ZEV Infrastructure
- Zero-Emission Transit Fleet Infrastructure Deployment
- Zero-Emission Drayage Truck and Infrastructure Pilot Project
- School Bus Replacement Program
- Hydrogen Fuel Cell Demonstrations in Rail and Marine Applications at Ports (H2RAM)
## Proposed Zero Emission Vehicle Infrastructure Investments

### Governor's Budget Proposal, May 2021

**(Dollars in Millions)**

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<th>Program</th>
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More Information

https://www.energy.ca.gov/funding-opportunities/solicitations

Solicitations

Information about funding opportunities that the California Energy Commission offers that advance the state’s transition to clean energy and transportation through innovation, efficiency, and the development and deployment of advanced technologies.
The program invests up to $100 million annually, leveraging public and private investments to accelerate the development of clean, efficient, low-carbon technologies to reduce greenhouse gas emissions and petroleum dependence. Each year, the Energy Commission prepares an investment plan to determine funding priorities and opportunities.
Thank you

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