

Appendix H: 2024-2025 Funding Opportunities for Zero-Emission Cargo Handling Equipment and Infrastructure

Federal, state, and local funding programs support the deployment of cleaner CHE. Large investments¹ have been made to support California’s air quality and climate goals and provide benefits to priority populations. Table H-1 provides a list of funding opportunities through January 2025 for zero-emission CHE technologies and supporting infrastructure. CARB is seeking information on any funding opportunities not listed.

Table H-1: 2024-2025 Federal, State, and Local Funding Opportunities for Zero-Emission CHE and Infrastructure

Program Name	Program Administrator	What the Program Funds	More Information
Assembly Bill 617 - Community Air Protection Incentives	Local Air District	Projects that result in immediate air quality benefits to the most impacted communities across California. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://ww2.arb.ca.gov/capp/fund/capi/community-air-protection-incentives
California Electric Vehicle Infrastructure Project	California Energy Commission	Charging infrastructure at publicly accessible sites throughout California. <ul style="list-style-type: none"> • Infrastructure 	https://calevip.org/

¹ California Air Resources Board, “Proposed Fiscal Year 2024-25 Funding Plan for Clean Transportation Incentives,” October 11, 2024. <https://ww2.arb.ca.gov/sites/default/files/2024-10/Proposed%20Funding%20Plan%20Fiscal%20Year%202024-25.pdf>.

Program Name	Program Administrator	What the Program Funds	More Information
Carl Moyer Memorial Air Quality Attainment Standards Program	Local Air District	Cleaner-than-required by law engines, equipment, and other sources of air pollution. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://ww2.arb.ca.gov/our-work/programs/carl-moyer-program-eligible-equipment-basic
Clean Diesel and Diesel Emissions Reduction Act Program	United States Environmental Protection Agency (U.S. EPA)	Projects that protect public health and reduce emissions from diesel engines. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://www.epa.gov/dera
Clean Off-Road Equipment Voucher Incentive Project (CORE)	CARB	Zero-emission off-road equipment in early stages of commercial development. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://californiacore.org

Program Name	Program Administrator	What the Program Funds	More Information
Clean Ports Program	U.S. EPA	Zero-emission seaport equipment and infrastructure across the nation. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://www.epa.gov/ports-initiative/cleanports Selected applications: https://www.epa.gov/ports-initiative/clean-ports-program-selections#selected-applications
Electric Utility Transportation Electrification Programs	California Public Utilities Commission	Zero-emission charging infrastructure. <ul style="list-style-type: none"> • Infrastructure 	https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/infrastructure/transportation-electrification/charging-infrastructure-deployment-and-incentives
Low Carbon Fuel Standard	CARB	Low-carbon and renewable alternative fuels; zero-emission vehicle related infrastructure. <ul style="list-style-type: none"> • Low Carbon Fuels • Infrastructure 	https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard
Proposition 1B: Goods Movement Emissions Reduction Program	Select Local Air Districts	Projects that achieve early or extra emissions reductions not otherwise required by law. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://ww2.arb.ca.gov/prop-1b-local-agency-contact-and-solicitation-information

Program Name	Program Administrator	What the Program Funds	More Information
Technology Advancement Program	Port of Long Beach and Port of Los Angeles	Clean technologies and associated infrastructure for port-related mobile sources. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://cleanairactionplan.org/technology-advancement-program/tap-guidelines-and-funding-opportunities/
Volkswagen Environmental Mitigation Trust	CARB	Advanced technology vehicle and equipment projects that will mitigate the lifetime excess oxides of nitrogen emissions caused by Volkswagen's actions. <ul style="list-style-type: none"> • Equipment • Infrastructure 	https://www.californiavwtrust.org/

The U.S. EPA Clean Ports program is no longer active. However, awards were announced in January 2025 and entities will receive the funds and distribute them for the projects outlined in their applications. The program awarded 54 grants for nearly \$3 billion in funding for climate and air quality planning projects and zero-emission technology deployment. Almost \$1 billion of this was granted to California entities for zero-emission CHE and associated projects and infrastructure.² Table H-2 provides a list of these funds.

Table H-2: U.S. EPA Clean Ports Program Awards for California Zero-Emission CHE

Entity/Primary Port Location	CHE Project	Funding Amount
City of Los Angeles Harbor Department/Port of Los Angeles	<ul style="list-style-type: none"> • Electric CHE and drayage trucks • Charging infrastructure, solar generation, and battery energy storage system • Vessel shore power 	\$411,688,296
Oxnard Harbor District Port of Hueneme/Port of Hueneme	<ul style="list-style-type: none"> • Electric CHE and drayage trucks • Charging infrastructure and battery energy storage system 	\$41,076,293
Port Department of the City of Oakland/Port of Oakland	<ul style="list-style-type: none"> • Electric and hydrogen CHE, railcar mover, and drayage trucks • Charging infrastructure, solar generation, and battery energy storage system 	\$322,167,584
Stockton Port District/Port of Stockton	<ul style="list-style-type: none"> • Electric CHE • Charging infrastructure, solar generation, and battery energy storage system • Vessel shore power 	\$110,469,349
San Diego Unified Port District/Port of San Diego	<ul style="list-style-type: none"> • Electric CHE and on-road medium- and heavy-duty vehicles • Charging infrastructure • Vessel shore power 	\$58,600,279

² U.S. Environmental Protection Agency, "Clean Ports Program Awards," EPA.gov, accessed May 28, 2025. <https://www.epa.gov/ports-initiative/clean-ports-program-awards>.