

FUNDING OPPORTUNITIES AND RESOURCES

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Carl Moyer Program

- ▶ A voluntary grant program
- ▶ Targeting the upgrade of older, heavy-duty diesel vehicles and equipment
- ▶ Accelerates the commercialization of the cleanest technologies available
- ▶ Reduces air pollution in disadvantaged and low-income communities
- ▶ \$575M funding over 8,700 vehicles/engines



Carl Moyer Program – Key Goals

Surplus
Emission
Reductions

Cost-
Effective (at
or below
\$34,000/ton)

Cleanest
Available
Technology

Is My Project Eligible?

Key Points:

Fleets subject to an in-use CARB regulation must provide documentation that demonstrates compliance with that regulation

The emission reductions from your project may not be used for regulatory compliance

Minimum 75% operation in the South Coast AQMD jurisdiction

Marine Projects & Requirements

- ▶ Vessels subject to CHC Regulation include: Barge, Crew/Supply, Dredge, Excursion, Ferries, Towboat/Tugboat, CPFV, Pilot, Workboat, Research, Tank Barge, Commercial Fishing Vessels
- ▶ Vessels NOT subjected to CHC Regulation include: Registered Historic Vessels, Emergency Use
- ▶ Basic Eligibility:
 - ▶ Tier 0 to 1 – Commercial Fishing Only
 - ▶ Tier 2-3 diesel to diesel (or diesel to ZE) – eligible depending on compliance deadlines



Project Type	Baseline Technology	Project Type	Maximum Percentage
Vessels subject to CHC Regulation	Tiers 0, 1, 2 and 3	Engine Repower to Tier 4 + DPF	Up to 85%
Vessel replacement			
Zero-emission or hybrid repower			

Off-Road Cargo Handling Equipment Projects & Requirements

- ▶ Existing CHE equipment must be in compliance with CHE Regulation
- ▶ Existing engines must be CARB-certified
- ▶ Sample project types include: ZE power and propulsion systems, RTG crane, rail-mounted RMG and yard truck replacements

<u>Project Type</u>	<u>Details</u>	<u>Maximum Funding</u>
Engine Repower	Replacement of an in-use engine with a zero-emission power system	Up to 85%
Equipment Replacement	Purchase of new, zero-emission equipment replacing fully functional equipment	Up to 80%



Carl Moyer ZE Infrastructure

Charging Station/H2 Refueling Station	Award Amount
All Projects (unless falls in categories below)	50% of Eligible Cost
Publicly Accessible Projects (unless falls in categories below)	60% of Eligible Cost
Projects with Solar/Wind Power Systems	65% of Eligible Cost
Publicly Accessible Projects with Solar/Wind Power Systems	75% of Eligible Cost
Infrastructure Serving Public School Buses - Battery Charging - Hydrogen Re-fueling	100% of Eligible Cost



On-Road Projects & Requirements



Carl Moyer On-Road	Voucher Incentive Program (VIP)
Replacement can be Zero-Emission (ZE) or Low NOx Natural Gas	Replacements must be Zero-Emission
Up to \$410K per truck for ZE, \$160K for Natural Gas	Up to \$410K per truck
Competitive Solicitation (apply online, not thru dealership)	First-come first-served and streamlined process – Dealerships apply on your behalf!
All fleet sizes can apply	Fleets of 10 or fewer vehicles
Fleets must be in compliance with CARB Regulations	
At least 75% operation in South Coast Air Basin	
Class 4 (GVWR ≥14,001 pounds) and above	
Old truck must have engine model year 6+ years old (diesel or alternative fuel OK)	

Carl Moyer Zero-Emission Off-Road

- ▶ Replacements must be Zero-Emission and Off-Road Equipment
 - ▶ Examples: Construction, Industrial, Agricultural or Cargo-Handling Equipment
- ▶ First-come first-served until October 15th (or when funds are depleted)
- ▶ Must be in compliance with CARB Regulations
 - ▶ For Large Fleets – only Tier 2 engines are eligible for funding per CARB Regulations
- ▶ Forklift replacements must have lift capacities less than or equal to 8,000 lbs.

<u>Project Type</u>	<u>Details</u>	<u>Maximum Funding</u>
Engine Repower	Replacement of an in-use engine with a zero-emission power system	Up to 85%
Equipment Replacement	Purchase of new, zero-emission equipment	Up to 80%

Carl Moyer Program – Additional Information

Key Points:

Inspections:

Existing and new vehicles/equipment/engine must be available for inspections

AND

Existing vehicles/equipment/engine must be scrapped

Payment:

All pre-, post- and destruction inspections must be completed and approved by South Coast AQMD

AND

Direct payment to finance company or dealership is allowed

Contact Information

▶ Carl Moyer Program

- www.aqmd.gov/moyer
- carlmoyer@aqmd.gov (email)
- <https://ww2.arb.ca.gov/guidelines-carl-moyer> (CARB)

▶ VIP Program

- www.aqmd.gov/vip

Lower Emission School Bus Program

- ▶ Voluntary grant program to replace older diesel school buses with cleaner bus technologies
- ▶ Reduce diesel air pollution and children's exposure to harmful emissions from diesel school buses
- ▶ Since 2001, \$325M disbursed:
 - ▶ Over 1,800 diesel school buses replaced
 - ▶ Retrofitted over 3,400 diesel school buses with PM traps





Upcoming Funding for Lower-Emission School Bus Program

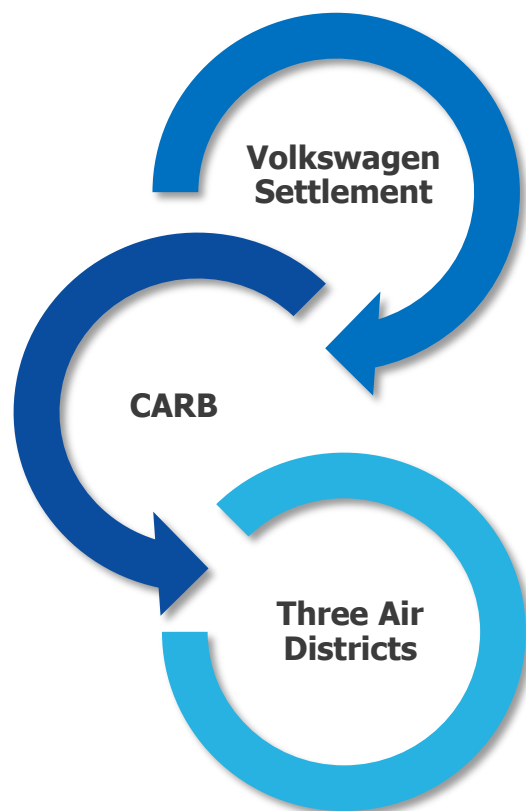
- ▶ Program Opening in Q3/Q4 2024
- ▶ Zero-Emission Replacement School Buses Only
- ▶ Tentative Funding Amounts:

Fuel Type	Bus Type	South Coast AQMD Maximum Award (Up to)	Infrastructure per School Bus (Up to)
Zero-Emission*	A	\$325,000	\$20,000
	C, D	\$370,000	\$20,000

The funding amounts shown in the table may be reduced if the project also receives HVIP funding.

** South Coast AQMD + HVIP = \$400,000 Maximum Award*

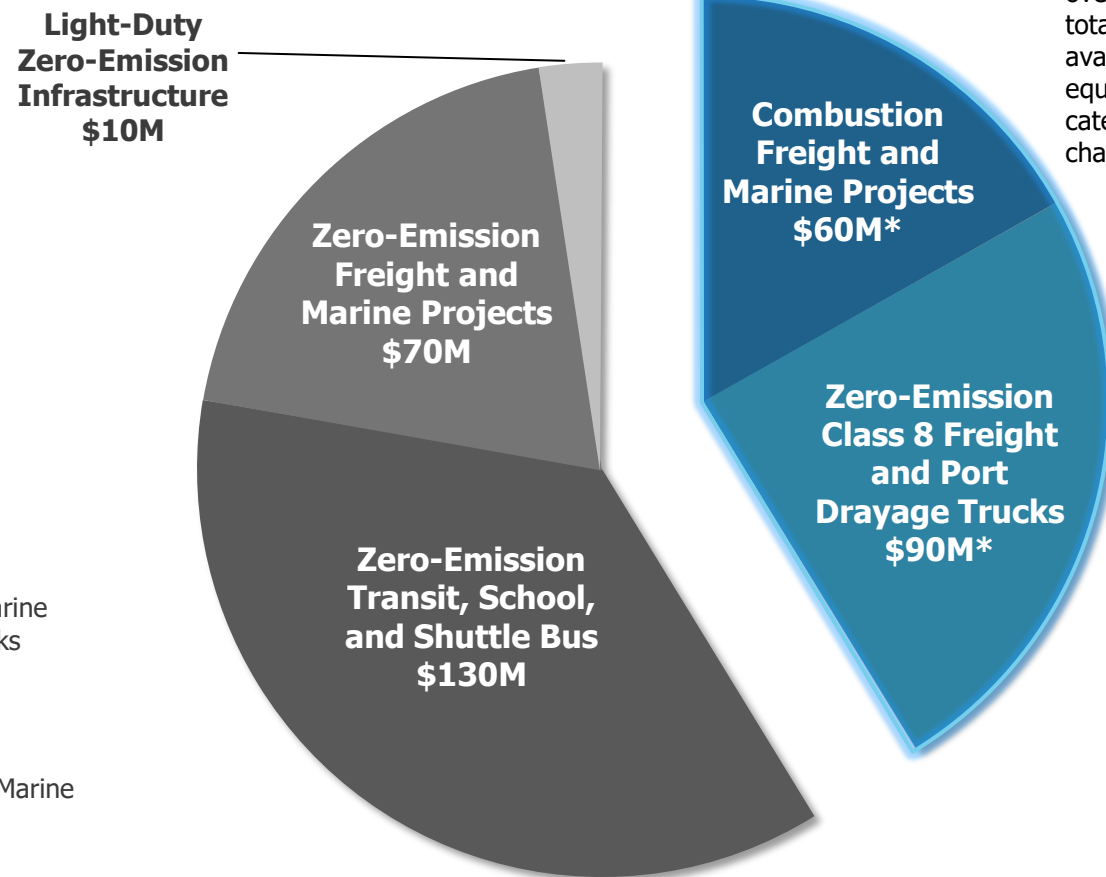
VW Mitigation Funds for California



- VW Mitigation Trust
- Consent Decree

- Lead Agency
- Beneficiary Mitigation Plan
- Five Funding Categories

- Program Administrators
 - South Coast AQMD
 - Combustion Freight and Marine
 - Zero-Emission Class 8 Trucks
 - San Joaquin Valley APCD
 - Zero-Emission Buses
 - Bay Area AQMD
 - Zero-Emission Freight and Marine
 - Light-Duty Zero-Emission Infrastructure



*Depending on overall demand, total funding available per equipment category may change.

General Program Requirements



Operation

- Existing vehicles/equipment/engine: Minimum 75% operation within CA during the past 12 months
- New vehicles/equipment: Minimum 75% operation within CA during the agreement term (3 years)



Inspections

- Existing and new vehicles/equipment/engine must be available for inspections



Compliance

- In compliance with applicable local, state, and federal rules and regulations



Scrapping

- Existing vehicles/equipment/engine must be scrapped

Application Requirements



[Apply
Online*](#)



Vendor Quote (Replacement/Repower Costs)

Existing Vehicle/Equipment and Engine Information

12 Months Usage Records

Insurance Information

Photos and Supporting Documentation

<https://xappprod.aqmd.gov/vw/combustion.html>

Combustion Freight and Marine

- First-come, first-serve
- Currently oversubscribed; accepting backup projects
- Drayage no longer eligible due to ACF Regulation

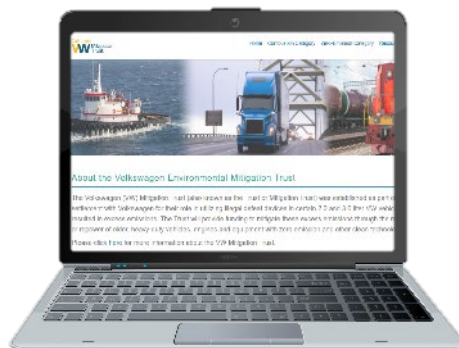
Baseline Equipment Category	Baseline Technology	Replacement Technology	Project Type	Maximum Percentage (%) of Funding (of cost)	Maximum Funding Up To
Class 7 and Class 8 Freight Trucks, Dump Trucks, Waste Haulers, and Concrete Mixers	Engine Model Years 1992-2012	Low NOx (certified 0.02 g/bhp-hr)	Replacement	25%	\$102,000
			Repower	40%	\$60,000
Freight Switcher Locomotives	Uncontrolled and Tiers 0-3	Tier 4	Replacement	25%	\$1,620,000
			Repower	40%	
		Zero-Emission	Replacement and Repower	75%	
Ferries, tugboats, & towboats	Uncontrolled and Tiers 0-2	Tier 4, or Hybrid w/ Tier 4 equivalent NOx emissions	Repower Only	40%	\$1,200,000

Zero-Emission Class 8 Trucks

Baseline Equipment	Baseline Technology	Replacement Technology	Project Type	Ownership Category	Maximum Incentive Percentage (of cost)	Maximum Incentive Cap (per equipment)
Class 8 Freight Trucks, Drayage Trucks, Dump Trucks, Waste Haulers, and Concrete Mixers	Engine Model Years 1992 to 2012	Zero-Emission Vehicle	Replacement	Non-Government	75%	\$240,000
				Government	100%	

- ▶ First-come, first-serve
- ▶ \$14M in funding available
- ▶ For more info: www.aqmd.gov/vw

Contact Information



For more information, please visit:
<http://www.aqmd.gov/vw>



South Coast AQMD VW Program



Toll Free Call Center: (833) 894-7267
Available Tuesday to Friday from 9-11 am and 2-4 pm



vwfunds@aqmd.gov



VW Program staff available Tuesday to Friday from 8-5 pm



Other Helpful Links

- [CA VW Program Landing Page](#)
- [CARB VW Program Website](#)
- [Consent Decrees](#)
- [Beneficiary Mitigation Plan \(BMP\)](#)
- [California Air Districts](#)

Climate Pollution Reduction Grant

- INVEST CLEAN (Infrastructure , Vehicles, and Equipment Strategy for Climate, Equity, Air Quality and National Competitiveness)
- Implementation of ZE transportation measures related to goods movement
- Approximately \$500 million available for the following measures:
 - ▶ Heavy-Duty Vehicle Charging Infrastructure (\$189.4M)
 - ▶ Battery Electric Freight Vehicle (\$85.4M)
 - ▶ Battery Electric Cargo Handling Equipment (\$25.5M)
 - ▶ Battery Electric Locomotive Pilot Program (\$199.6M)
- PA anticipated Q1 or Q2 2025
- For more info please visit:
<https://www.aqmd.gov/home/research/pubs-docs-reports/newsletters/aug-sep-2024/cprg-event>



Funding Opportunities



Carl Moyer ZE Off-Road
• Open (until October 15th)



Carl Moyer Program (General)
• Early 2025



Voucher Incentive Program (VIP)
• Late 2024



Lower-Emission School Bus Program
• Early 2025



Volkswagen Mitigation Trust
• Open for ZE Class 8 Trucks



Climate Pollution Reduction Grant
• Late 2024/Early 2025