

# Overview of Air District Grant Funding Opportunities

DFx33: Funding to replace diesel fleets and  
equipment

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Bay Area Air Quality Management District  
375 Beale Street, San Francisco, CA



Introduction to BAAQMD

Available Funding

How to Apply

Contact Info





# Introduction & Background

## The Bay Area Air Quality Management District

**Location**  
9-county  
Bay Area



**Population**  
7.7 M in 2019



**Regulate**  
Stationary  
Sources

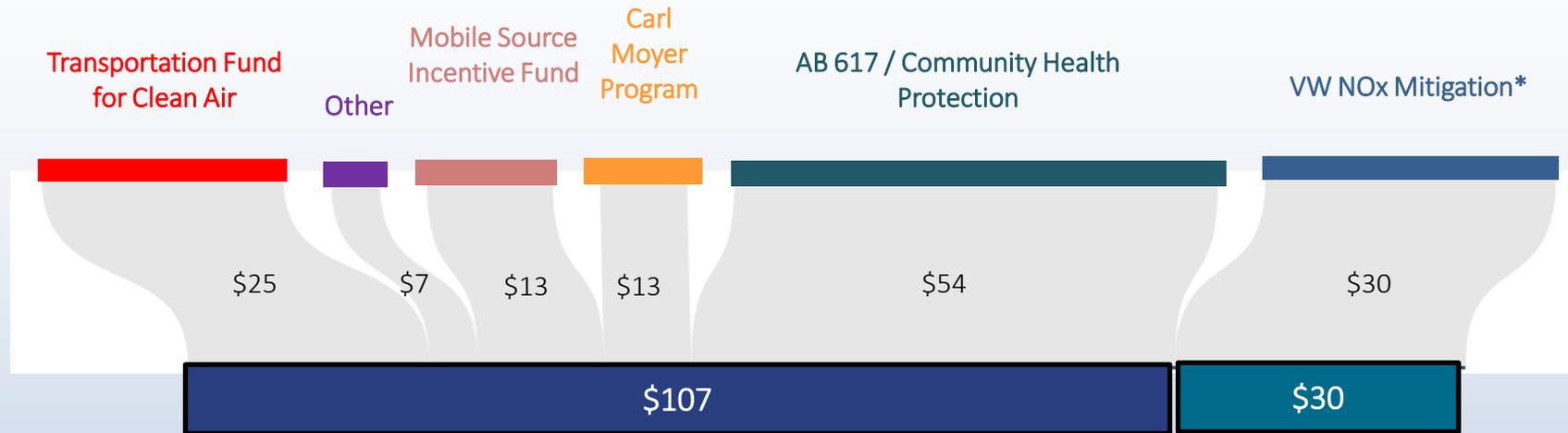


**Incentivize**  
Mobile  
Sources





# Projected Grant Revenues for CY 2019 (in Millions)



**Carl Moyer Category Includes Funding From:**  
CMP Year 20  
CMP Statewide Funds  
FARMER (agriculture only)  
LCFS - Low Carbon Fuel Standard

**Other Funding Sources:**  
EFMP – Enhanced Fleet Modernization Program  
RFG – Reformulated Gasoline Settlement Fund  
SEP - Supplemental Environmental Project

\*Total Volkswagen funding is \$423dM statewide, which will be dispersed over ~5 year period. Staff projects that as much as 33% of funding could go to projects locate in the Bay Area.



# Air District Grants Open Solicitations

Program Name, Description, and Website	Eligible	Source
<b>Carl Moyer</b> <a href="http://www.baaqmd.gov/moyer">www.baaqmd.gov/moyer</a> To replace heavy-duty on- & off-road vehicles and equipment, marine engines, and locomotives	Vehicle & Equipment Owners	CMP, MSIF, CHP, FARMER
<b>Community Health Protection</b> <a href="https://www.baaqmd.gov/AB617">https://www.baaqmd.gov/AB617</a> To replace heavy-duty on- & off-road vehicles and equipment, marine engines, and locomotives in EJ areas.	Vehicle & Equipment Owners	SB 856
<b>Climate Tech Finance (Loan)</b> <a href="http://www.baaqmd.gov/ctf">www.baaqmd.gov/ctf</a> To purchase emerging climate technologies that reduce GHGs	Public Agencies & Small Business	IBank, Air District
<b>Clean Cars for All</b> <a href="http://www.baaqmd.gov/cleancarsforall">www.baaqmd.gov/cleancarsforall</a> To retire and replace their vehicles with a cleaner option	Residents	CCI, VW Settlement Funds
<b>Vehicle Buy Back</b> <a href="http://www.baaqmd.gov/vbb">www.baaqmd.gov/vbb</a> To scrap 1996 or older light-duty cars	Residents	MSIF

### ***Additional grant programs for other project categories scheduled to open later this year***

CCI: California Climate Investments

MSIF: Mobile Source Incentive Fund

CMP: Carl Moyer Program

TFCA: Transportation Fund for Clean Air

FARMER: Funding Agricultural Replacement Measures for Emission Reductions



# Maximum On-road Funding Amounts

Vehicle type GVWR	Zero-emissions (ZE)	Low-NOx engines
<b>Class 8 (33,001 lbs +)</b>	Up to 60 - 95%	\$100,000
<b>Class 6 &amp; 7 (19,5001 - 33,000 lb)</b>	Up to 60 - 95%	\$80,000 - \$100,000
<b>Class 4 &amp; 5 (14,001 - 19,500 lb)</b>	Up to 60 - 95%	\$70,000
<b>Transit buses</b>	Up to 60 - 95%	\$25,000
<b>Emergency vehicles</b>	Up to 90% of cost	
<b>Infrastructure</b>	Up to 60% with additional funding available for infrastructure that is publicly accessible, powered by solar/wind, serving a port/railyard/freight facility, or located at a sensitive receptor site.	

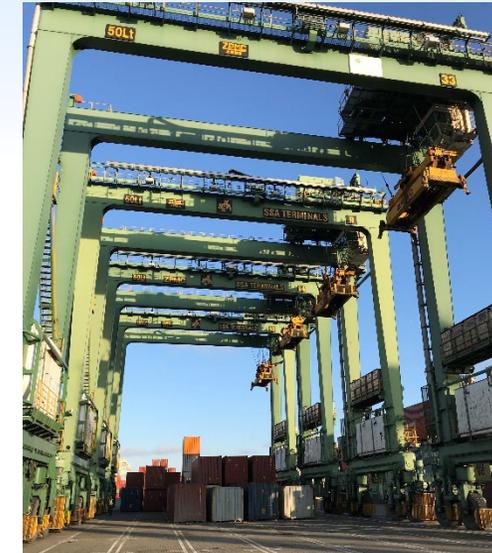
- ZE projects in Community Health Protection areas are eligible for up to: 95% / 90% / 60% maximum for fleets of 1-3 vehicles / 4-10 vehicles / 10+ vehicles, respectively.
- Low-NOx engines: Funding levels vary by certified NOx emissions level (0.1, 0.05 or 0.02 g/bhp-hr).
- Additional funding is also available for Hybrids and CNG



# Off-road Funding Amounts

## Maximum funding levels for off-road equipment

Project type	Maximum Percentage
Diesel repower	Up to 95%
Large-spark ignition (LSI) engine repower	Up to 95%
Repower to zero-emission	Up to 95%
Mobile equipment Replacement	Up to 90%
Infrastructure	Up to 60% of the cost to purchase and install alternative fueling or charging infrastructure



- New equipment not meeting the current emission standards are not eligible for max funding up
- Additional funding may be available for infrastructure that is publicly accessible, powered by solar/wind, serving a port/railyard/freight facility, or located at a sensitive receptor.



# Maximum School Bus Funding Amounts

Project Type	Funding (per piece of equipment)
Replacement or Conversion to Electric or Fuel Cell	\$400,000*
Replacement to Low-NOx CNG	\$220,000
Replacement to Hybrid	\$220,000
Repower	\$70,000
CNG Tank Replacement	\$20,000
Alternative Fueling Infrastructure	Up to 100%

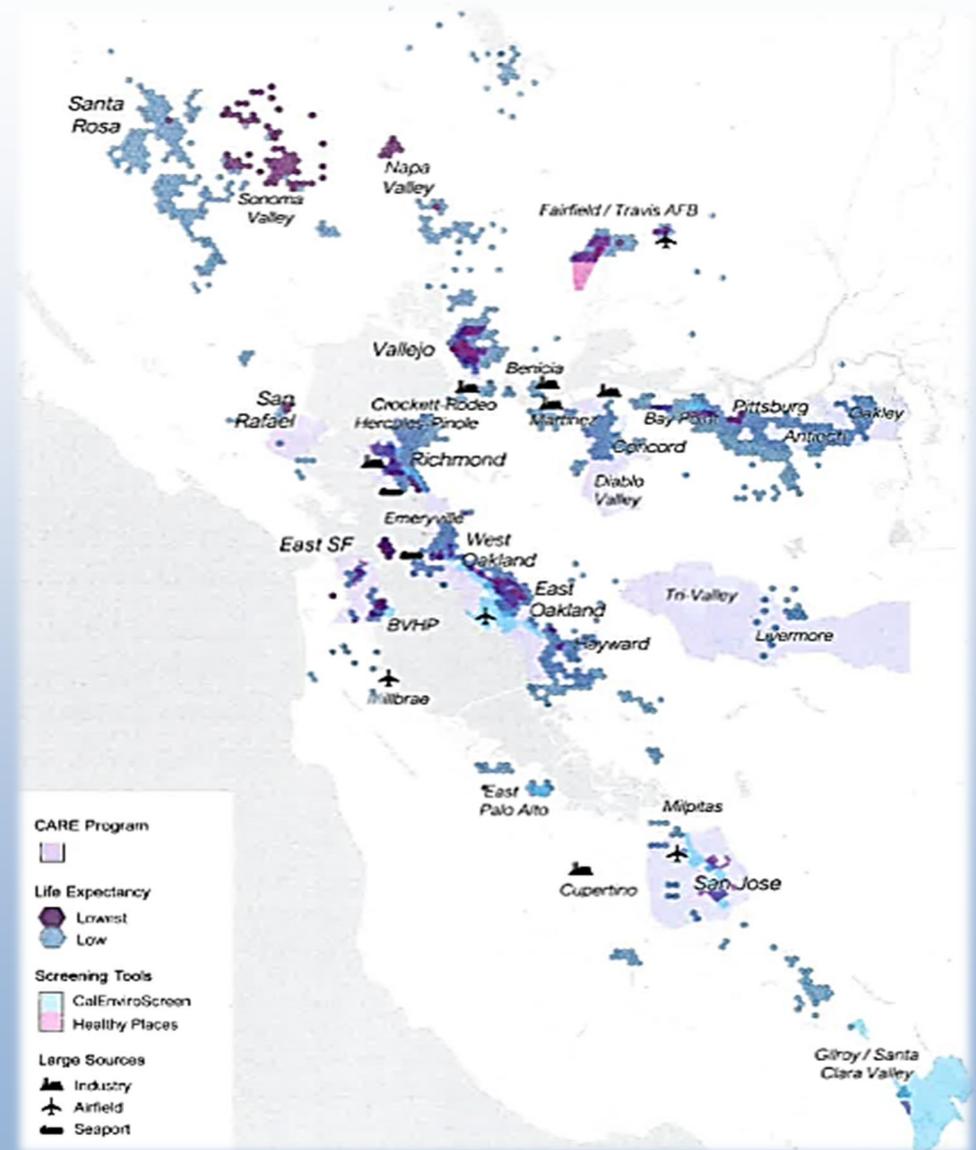


\* Eligible for co-funding with other state, federal, or private incentive funding



# Community Health Protection Program

- Community input on air pollution sources in Bay Area communities in order to provide targeted outreach and new projects to improve air quality in the Bay Area
- Higher grant amounts available for the replacement of diesel-fueled equipment with zero-emissions (or cleanest available) in AB617 communities
- Co-funding with other funding sources (e.g. CORE, CEC, or PG&E)





# Basic Evaluation Criteria

- Scrap old equipment for replacement projects
- Fund both small fleets of 1-10 vehicles and large fleets of more than 10
- Must be in compliance with applicable regulatory requirements
- Operate at least 30% in the Bay Area and 75% of the time in CA
- Provide surplus emissions reductions
- Document two years of operation, registration, insurance, and usage





# How to Apply

- Understand any applicable state fleet rules that may apply to the fleet
- Identify older, dirtier vehicles to upgrade and replace
- Determine whether equipment qualifies for funding
- Start gathering equipment information and supporting documents
- Work with an equipment dealer on the replacement equipment
- Apply online at: [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer) or [www.baaqmd.gov/ab617grants](http://www.baaqmd.gov/ab617grants)



# Contact Information

Email us: [grants@baaqmd.gov](mailto:grants@baaqmd.gov)

Visit our website: [www.baaqmd.gov/grants](http://www.baaqmd.gov/grants)

Join the grants email list:  
[www.surveymonkey.com/r/tfcaemails](http://www.surveymonkey.com/r/tfcaemails)

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# California WW Mitigation Trust

Presented by: Amy Dao, Senior Staff Specialist, Bay Area AQMD

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Volkswagen (VW) Environmental Mitigation Trust Program Overview



General Overview of Funding, Reporting, and Operational Requirements



Overview of Project Categories

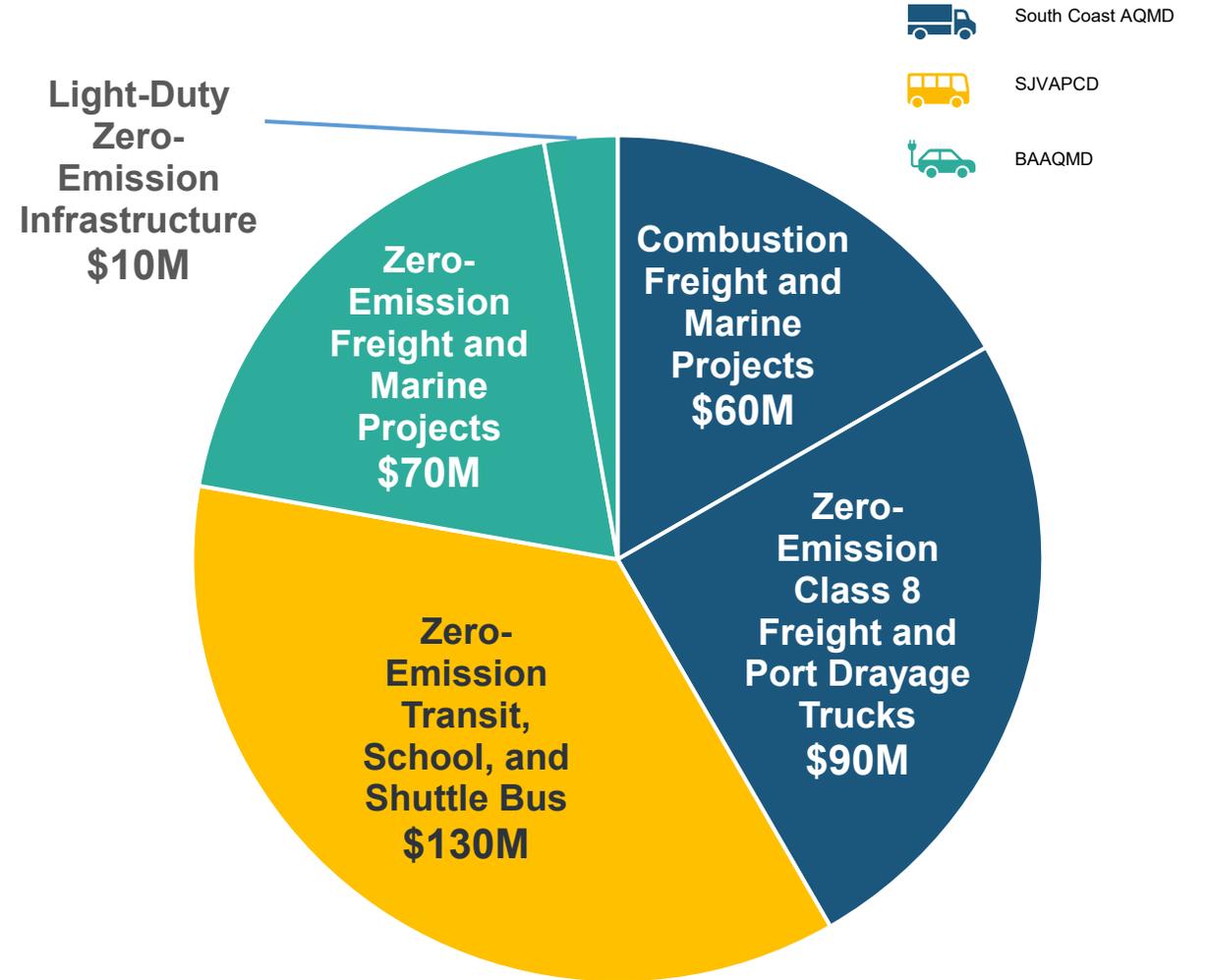
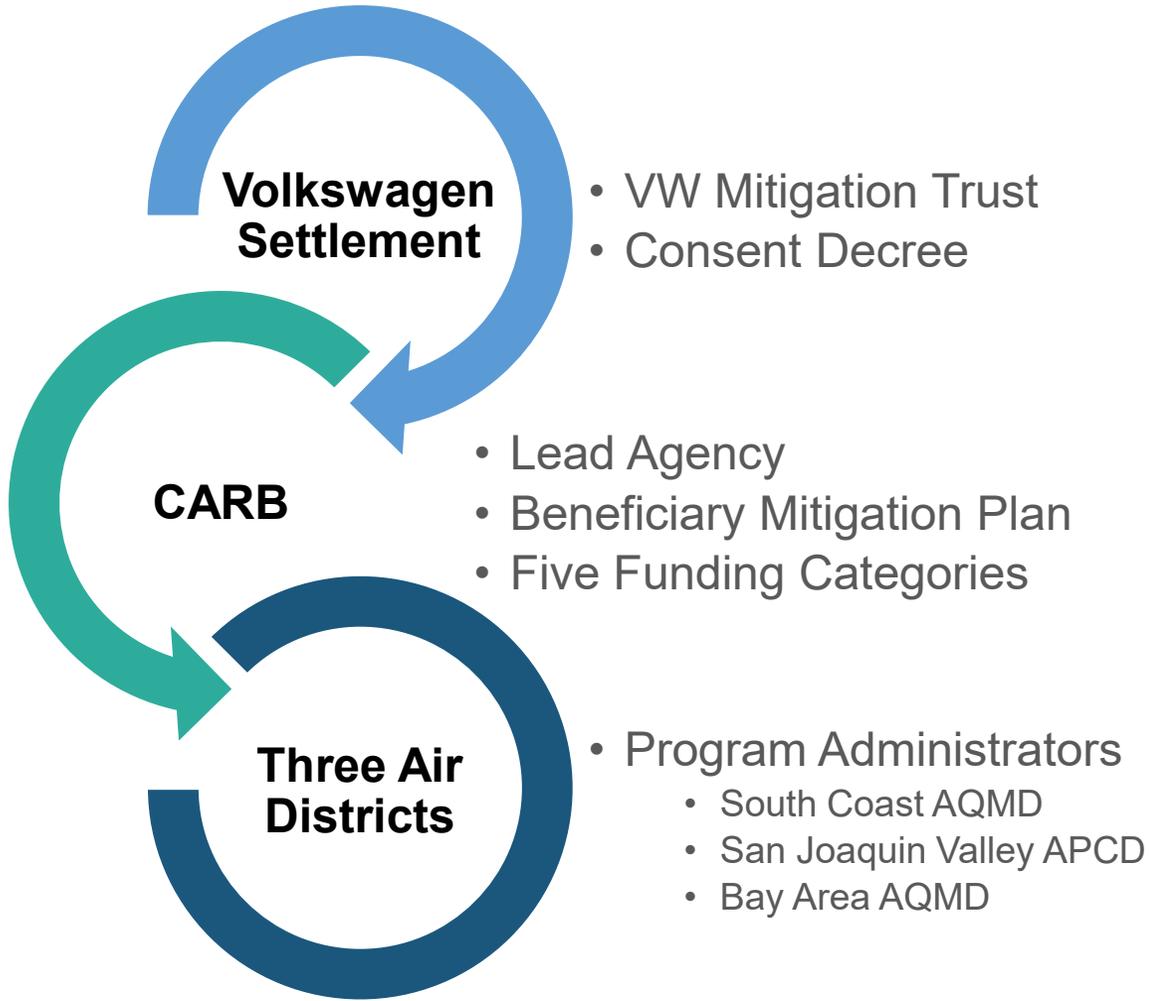


Links and Contact Information



Questions and Answers

# VW Mitigation Trust Overview



# VW Mitigation Trust Funding for California



**\$130M Total**  
**\$65M – Currently Open**  
**for Transit and Shuttle**

**Zero-Emission**  
**Transit, School,**  
**and Shuttle Bus**  
(SJVAPCD)



**\$90M Total**  
**\$27M – Opens 8/2020**

**Zero-Emission**  
**Class 8 Freight**  
**and Port Drayage**  
**Trucks**  
(South Coast AQMD)



**\$60M Total**  
**\$<30M – 2<sup>nd</sup> Solicitation**  
**Q4 2020**

**Combustion**  
**Freight and Marine**  
**Projects**  
(South Coast AQMD)



**\$70M Total**  
**\$35M – Currently Open**

**Zero-Emission**  
**Freight and Marine**  
**Projects**  
(BAAQMD)



**\$10M Total**

**Light-Duty Zero-**  
**Emission**  
**Infrastructure**  
(BAAQMD)

# Grantee Reporting and Operational Requirements



## Inspections

Make old and new engine / vehicle available for inspection



## Operations

Operate the “grant-funded” engine / vehicle in accordance with the contract



## Scrapping

Scrap an older engine / vehicle and replace it with the “grant-funded” engine / vehicle



## Payment

Submit request for payment AFTER contract execution and project completion



## Reporting

Submit annual reports for the term of the contract (expected 3 years)



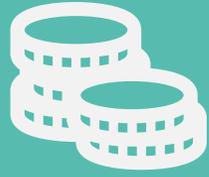
# Zero-Emission Transit, School, and Shuttle Buses

Administered by



# Zero-Emission Transit, School, and Shuttle Buses

## Key Points



**\$130M Total Funding**  
**\$65M – Currently open**  
**for Transit & Shuttle**



**First Come, First Served**



**Open to public and**  
**private organizations**



**50% of funding to**  
**disadvantaged or low-**  
**income communities**



# Zero-Emission Transit, School, and Shuttle Buses

## Eligible Projects and Funding Amounts

### \$65M to Replace Class 4-8 School, Transit and Shuttle Buses

#### School Buses

**Up to \$400,000**

*To replace an eligible school bus with new, commercially-available, zero-emission technology*

#### Transit Buses

**Up to \$180,000**

*For a new, commercially-available, battery-electric bus*

**Up to \$400,000**

*For a new, commercially-available, fuel-cell bus*

#### Shuttle Buses

**Up to \$160,000**

*To replace an eligible shuttle bus with new, commercially-available, zero-emission technology*

- ✓ *Total funding for this category is \$130 million, with the initial \$65 million increment currently open (transit/shuttle)*
- ✓ *No more than 50% of available funds in each increment will be allocated to a single bus category*
- ✓ *Total cost per vehicle must not exceed 75% for non-government owned and 100% for government owned vehicles*
- ✓ *Stacking of VW funds with HVIP and other CARB funds not allowed*

# Zero-Emission Transit, School, and Shuttle Buses

## Funding Still Available for Transit and Shuttle



TRANSIT BUS

START APPLICATION!



SHUTTLE BUS

START APPLICATION!

**To Apply**

<http://vwbusmoney.valleyair.org/>

# Zero-Emission Class 8 Freight and Port Drayage Trucks

Administered by



South Coast Air Quality  
Management District

# Zero-Emission Class 8 Freight and Port Drayage Trucks

## Overview



- Total funds available: **\$90 million**
- First installment: **\$27 million**
  - Up to **\$200k per vehicle**
- Applications will be received on a **first-come, first-served** basis
- Open to **public and private entities**
- At least **50%** of funds for projects that reduce emissions in disadvantaged or low-income communities

# Zero-Emission Class 8 Freight and Port Drayage Trucks

## Eligible Vehicle Types

Engine MY 1992-2012:

Freight Truck

Dump Truck

Drayage Truck

Concrete Mixer

Waste Hauler

**To be replaced with:**

## Zero-Emission Technology

*(commercially available, approved by CARB)*

Battery Electric

Hydrogen Fuel Cell



# Zero-Emission Class 8 Freight and Port Drayage Trucks

## ZE Class 8 Freight and Port Drayage Trucks Webinar



**August 12 at  
10:00 am PST**



**Register Here!**

[http://learn.aqmd.gov/VW\\_Settlement\\_Webinar\\_Registration](http://learn.aqmd.gov/VW_Settlement_Webinar_Registration)



# Zero-Emission Freight and Marine Projects – OPEN

Applications Due: 1 pm on August 31, 2020

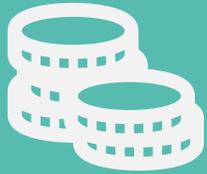
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BAY AREA AIR QUALITY  
MANAGEMENT DISTRICT

# Zero-Emission Freight & Marine Projects

## Key Points



**\$70M Total Funding;  
\$35M – Currently Open**



**Competitive Solicitation**



**Open to public and  
private organizations**



**75% of funding to  
disadvantaged or low-  
income communities**



# Zero-Emission Freight & Marine Projects

## Eligible Projects and Funding Amounts

**\$35M currently available, awards\* up to:**

### Full Incremental Cost

**Replace**  
airport ground  
support equipment  
and vehicles

*Starting aircraft; aircraft fueling & maintenance; transporting & loading passengers & cargo, baggage handling, lavatory & food service etc.*

**\$175,000**  
Per Equipment

**Replace**  
heavy-lift forklifts,  
port cargo handling  
equipment

*Forklifts: reach stackers, side loaders, and top loaders with >8,000 lbs. lift capacity  
Port CHE: rubber-tired gantry cranes, straddle & shuttle carriers, terminal tractors, and yard hostlers & tractors operating in Ports*

**\$2,500,000**  
Per Vessel / Berth

**Repower**  
ferry, tug & towboat;  
**Install**  
shore power

*Repowers: all-electric & fuel cell  
Shore Power: cables, cable management, coupler, distribution control systems, & power distribution for shore power*

**\* Up to 75% of eligible costs for non-government-owned vehicles or equipment  
Up to 25% for non-government owned Shore Power**

# Zero-Emission Freight & Marine Projects Currently Open!



**Apply NOW!**

[www.californiavwtrust.org/zero-freight-marine/](http://www.californiavwtrust.org/zero-freight-marine/)

Applications Due: 1 pm on August 31, 2020



**Webinar**

Live Webinar: Thursday, August 6, 2020  
2:00-3:00 PM PDT



**Additional Resources**

Visit [www.californiavwtrust.org/zero-freight-marine/](http://www.californiavwtrust.org/zero-freight-marine/)



For more information, please visit:

<http://www.aqmd.gov/vw>

<http://vwbusmoney.valleyair.org>

<https://www.californiavwtrust.org>



## South Coast AQMD

- [vwfunds@aqmd.gov](mailto:vwfunds@aqmd.gov)
- (833) 894-7267
- Staff is available Tuesday to Friday from 7:30 am to 5:30 pm



## San Joaquin Valley APCD

- (833) Bus-Money
- [vwbusmoney@valleyair.org](mailto:vwbusmoney@valleyair.org)



## Bay Area AQMD

- [CaliforniaVWTrust@baaqmd.gov](mailto:CaliforniaVWTrust@baaqmd.gov)



## Other Helpful Links

- [CA VW Landing Page](#)
- [CARB VW Website](#)
- [Consent Decree](#)
- [Beneficiary Mitigation Plan \(BMP\)](#)