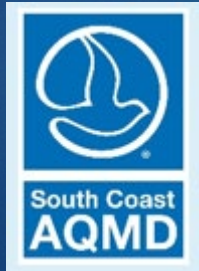


# CARL MOYER PROGRAM ON-ROAD

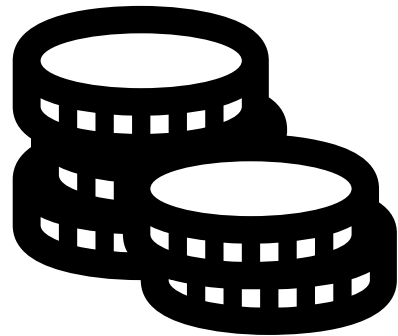
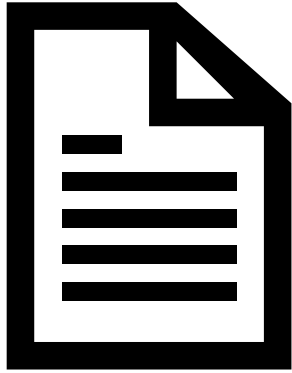


SOUTH COAST AIR  
QUALITY MANAGEMENT  
DISTRICT

2023



# Carl Moyer Program



- ▶ A voluntary grant program
- ▶ Targeting the replacement of 2017 or older heavy-duty vehicles
- ▶ Accelerates the commercialization of the cleanest technologies available
- ▶ Prioritizes the reduction of air pollution in disadvantaged and low-income communities



# Project Categories

## Heavy-Duty Trucks and Buses

- >14,000 lbs. GVWR
- Statewide Truck and Bus Regulation



## Drayage Trucks

- Registered in Drayage Truck Registry
- >26,000 lbs. GVWR



## Transit Vehicles

- Urban buses –greater than 35 feet in length and 33,000 lbs. GVWR
- Transit Fleet Vehicles –less than 35 feet in length and 33,000 lbs. GVWR



# Project Categories (Continued)

## Solid Waste Collection Vehicles (SWCV)

- Compliant with final SWCV Regulation (2006 and older engines)
- Compliance with Truck and Bus Regulation (2007 and newer engines)



## Emergency Vehicles

- Fire trucks, prisoner transport buses, pumpers, ladder trucks and water tenders
- Defined in CA Vehicle Code Sections 27156.2 & 165
- Replacement option only







# Project Options

- ▶ **Replacement:** The replacement of an older, high polluting **vehicle** with a newer, cleaner one
- ▶ **Repower:** The replacement of an older, dirtier **engine** with a newer, cleaner one
- ▶ **Conversion:** The modification of the engine or vehicle to either a cleaner engine or other system that provides motive power and **change of the fuel type** used.

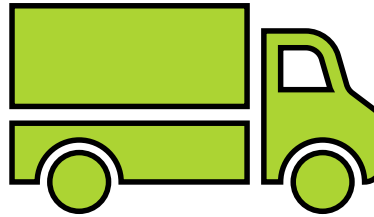
# Eligibility Requirements - Existing Vehicle

- EMY 2010 to 2017 (some exceptions)
- Diesel or Alternative Fuel
- Vehicle must be operational
- 75% of usage in South Coast Air Basin
- Clean Vehicle Title (No Lien) before Contracting
- DMV Registration & Proof of Insurance (previous 24 months)
  - Seasonal registration may be eligible (3-6 months continuous registration per 12-month period for the prior 24 months)
- Usage documentation prior 24 months
- Executive Order for Existing Engine
- Photo verifying GVWR and engine tag
- Compliance with applicable Regulations



# Eligibility Requirement - Replacement Vehicle

- ▶ Optional low NOx or Zero Emission
- ▶ Engine's intended service class must match replacement vehicle's weight class (e.g., a MHD engine must be used in a vehicle with GVWR 19,501-33,000 lbs.)
- ▶ Mileage Caps for Used Replacement Truck
  - HHD 500k, MHD 250k, LHD 150k miles
- ▶ California registration or California IRP
- ▶ No Diesel except for Emergency Vehicles
- ▶ Warranty (New)
  - Low NOx HHD - 5 years / 350,000 miles
  - Zero Emission - 3 years / 50,000 miles
  - Include Parts and Labor





# Documentation of Compliance Status

Fleet subject to the Statewide Truck and Bus Regulation (TRUCRS)

- A Copy of the TRUCRS Fleet list with compliance option for each
- A Copy of the Compliance Certificate printed from TRUCRS

Vehicle subject to the Drayage Truck Regulation

- DTR Compliance Search Page Printout showing VIN and compliance status

Vehicle subject to other applicable CARB Regulation

- SOUTH COAST AQMD will verify the compliance status with CARB
- Complete Fleet Compliance is Needed





# Project Life

- ▶ Truck (7 years)
- ▶ Transit Bus (12 years)
- ▶ Emergency Vehicle (14 years)
- ▶ Regulatory requirements may reduce the project life shown above
- ▶ A longer project life may be considered on a case-by-case basis

# Funding Amount Examples – Low NOx Trucks

Annual Mileage	Estimated Grant Amount for New Low-NOx Heavy Duty Tractor Replacement *						
Engine Model Year	2010	2011	2012	2013	2014	2015	2016
20,000 Miles/Year	\$118,219	\$114,076	\$109,933	\$80,045	\$77,678	\$75,311	\$72,943
30,000 Miles/Year	\$160,000	\$160,000	\$160,000	\$145,036	\$139,710	\$134,383	\$129,057
40,000 Miles/Year	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000
50,000 Miles/Year	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000

\* Replacement truck engine model year of 2013 is used in all calculations

# Funding Amount Examples – Zero Emission Trucks

Annual Mileage	Estimated Grant Amount for New ZE Heavy Duty Tractor Replacement*						
Engine Model Year	2010	2011	2012	2013	2014	2015	2016
20,000 Miles/Year	\$332,167	\$321,514	\$310,861	\$235,846	\$229,632	\$223,417	\$217,203
30,000 Miles/Year	\$410,000	\$410,000	\$410,000	\$410,000	\$407,478	\$393,496	\$379,514
40,000 Miles/Year	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000
50,000 Miles/Year	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000	\$410,000

\*Replacement truck engine model year of 2023 is used in all calculations



# Required Inspections

South Coast AQMD will not pay invoices until all four inspections have been performed and approved

## Pre Inspection

- After project approval, before or after contract execution
- Verifies operational status, EMY, GVWR, ESM, same as application

## Post Inspection

- Before replacement engine/vehicle is delivered to fleet
- Verifies the technology, engine duty cycle, GVWR

## Destruction Inspection

- Engine and frame rail destruction
- Destroyed < 60 days after dismantler receipt
- Dismantler provides photos within 10 business days

# APPLICATION DEADLINE

Tuesday May 9, 2023 by 11:59 PM

## **APPLY ONLINE:**

South Coast AQMD  
Grant Management System at

[www.aqmd.gov/moyer](http://www.aqmd.gov/moyer)



# Staff Contact Information

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