

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



# CARL MOYER

2021 PROGRAM

**Financial Incentives for  
Purchasing Zero- and  
Low-Emission Heavy-Duty  
Vehicles, Engines and Equipment**

Application Deadline  
June 1, 2021 1:00 PM





## CARL MOYER PROGRAM OVERVIEW

Since 1998, the Carl Moyer Program (CMP) has provided incentive funding to owners of diesel engines and equipment to go beyond regulatory requirements by retrofitting, repowering, or replacing their engines with newer and cleaner models. The CMP has provided significant emission reductions throughout the South Coast region for the past 22 years.

**2021 FUNDING AVAILABLE**

**\$36 Million\***

**Approximate funding available for 2021 to support projects within South Coast AQMD's jurisdiction.**

*\*The South Coast AQMD expects to receive additional funds for this year's CMP, which may include funds in support of the Community Air Protection Program (CAPP) and the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program.*

South Coast AQMD is the air pollution control agency for major portions of Los Angeles, Orange, San Bernardino and Riverside counties, including the Coachella Valley.

## INTERESTED IN APPLYING IN 2021?

Any owner of an eligible heavy-duty on-road or off-road project, marine vessel or locomotive, public or private can apply for Carl Moyer Program incentives. In addition, infrastructure projects to fuel or power a zero- or near-zero emission, heavy-duty vehicle or equipment, including but not limited to: on-road heavy-duty vehicles, cargo handling equipment, and marine vessels (shore power) are also eligible.



## PROJECTS MUST MEET THE FOLLOWING CRITERIA:

1. Result in surplus emissions reductions beyond current regulations.
2. Fleet must be in compliance with applicable laws and regulations.
3. Must meet the cost-effectiveness limit(s) of the Carl Moyer Program.
4. Non-public entities must provide at least 15 percent of the total project cost from non-public sources.
5. Operate at least 75% of the time within the South Coast AQMD for most project types.
6. The older vehicle/equipment must be scrapped.
7. For repower and replacement projects, the engine must achieve a NOx emissions benefit of at least 15%.

2017 Carl Moyer Guidelines can be found at:

<http://www.arb.ca.gov/msprog/moyer/guidelines/current/html>





## WHAT TYPE OF PROJECTS QUALIFY?

### ON-ROAD PROJECTS



On-Road project types include vehicle replacement and repower/conversion projects. Applicants will be required to demonstrate compliance with applicable laws, including labor laws.

Eligible on-road equipment include:

- Heavy-duty trucks and buses with gross vehicle weight rating (GVWR) > 14,000 lbs
- Transit vehicles
- Solid Waste Collection vehicles
- Public agency and utility vehicles
- Emergency vehicles

### OFF-ROAD PROJECTS



Off-road equipment includes propulsion engines greater than 25 horsepower. Replacement and repower/conversion projects should be a cleaner-emission certified engine meeting the current off-road emission standards. Retrofits must have a verified diesel emission control strategy. Portable equipment is not eligible for CMP funding.

Eligible off-road equipment include:

- Construction & industrial equipment
- Agricultural tractors
- Marine engines
- Zero-emission cargo handling equipment
- Shore power projects surplus to CARB's At-Berth Regulation
- Locomotive projects certified to Tier 4 standards or cleaner

## INFRASTRUCTURE PROJECTS

Infrastructure Projects that enable the deployment of near-zero and zero-emission heavy-duty vehicles and equipment to support the state's air quality goals.

Eligible infrastructure projects include:

- Battery charging stations
- Alternative fueling stations using renewable fuel source
- Other projects may be reviewed on a case-by-case basis



## HOW WILL APPLICATIONS BE EVALUATED?

Projects will be evaluated based on the criteria in the Carl Moyer Program Guidelines, which require all projects to meet a cost-effectiveness limit. Cost-effectiveness is the measure of dollars provided to a project for each ton of NOx, ROG and PM10 emissions reduced. Below are the cost-effectiveness limits for this funding cycle:

- Vehicles/engines/equipment meeting the current emission standards are subject to a cost-effectiveness limit of \$30,000 per weighted ton of emissions reduced
- Vehicles/equipment certified with an engine at or below the cleanest certified optional standard level (such as a zero-emission technology) will be evaluated using a two-step calculation with a cost-effectiveness limit of \$100,000 per weighted ton of emissions reduced beyond those achieved by the current emission standards

Projects will also be evaluated for emission reduction benefits to disadvantaged and low-income communities as defined by SB 535 and AB 1550. South Coast AQMD may prioritize projects to reduce emissions in and around disadvantaged and low-income communities regardless of cost-effectiveness.

## APPLICATION DEADLINE

**THE APPLICATION IS DUE BY 1:00PM ON TUESDAY, JUNE 1, 2021**

Paper applications will no longer be accepted for funding consideration.

To apply for online, please visit: <https://carlmoyeronline.aqmd.gov>

## South Coast AQMD Staff Contact

Staff are available to answer questions and provide assistance with applications:

### On-Road Heavy-Duty Vehicles/Emergency Vehicles

Tom Lee (909) 396-2270 [tlee@aqmd.gov](mailto:tlee@aqmd.gov)  
 Krystle Martinez (909) 396-3021 [kmartinez@aqmd.gov](mailto:kmartinez@aqmd.gov)

### Cargo Handling Equipment/Electrification

Greg Ushijima (909) 396-3301 [gushijima@aqmd.gov](mailto:gushijima@aqmd.gov)

### Shore Power

Greg Ushijima (909) 396-3301 [gushijima@aqmd.gov](mailto:gushijima@aqmd.gov)

### Infrastructure

Tom Lee (909) 396-2270 [tlee@aqmd.gov](mailto:tlee@aqmd.gov)  
 Yuh Jiun Tan (909) 396-2463 [ytan@aqmd.gov](mailto:ytan@aqmd.gov)

### Off-Road Compression Ignition Equipment

Alyssa Yan (909) 396-2024 [ayan@aqmd.gov](mailto:ayan@aqmd.gov)  
 Darren Ha (909) 396-2548 [dha@aqmd.gov](mailto:dha@aqmd.gov)  
 Walter Shen (909) 396-2487 [wshen@aqmd.gov](mailto:wshen@aqmd.gov)

### Marine Vessels

Arnold Peneda (909) 396-2475 [apeneda@aqmd.gov](mailto:apeneda@aqmd.gov)  
 Nick Volpone (909) 396-2636 [nvolpone@aqmd.gov](mailto:nvolpone@aqmd.gov)

### Locomotives

Greg Ushijima (909) 396-3301 [gushijima@aqmd.gov](mailto:gushijima@aqmd.gov)  
 Walter Shen (909) 396-2487 [wshen@aqmd.gov](mailto:wshen@aqmd.gov)

## CARL MOYER PROGRAM WORKSHOPS:

In light of COVID-19 and efforts to ensure public safety, South Coast AQMD will not hold public workshops during the application period. Instead, pre-recorded presentations and other virtual webinars (as needed) providing background and assistance with program requirements, eligibility and a tutorial for the OAP, will be posted on [www.aqmd.gov/moyer](http://www.aqmd.gov/moyer) starting April 2021.

For additional information about South Coast AQMD's Carl Moyer Program, please visit: [www.aqmd.gov/moyer](http://www.aqmd.gov/moyer)





**South Coast  
Air Quality  
Management District**

South Coast  
**AQMD**

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**RETURN SERVICE REQUESTED**