

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



CARL MOYER

2023 PROGRAM

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

Application Deadline
May 9, 2023 11:59 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 24 years with \$570 Million in cumulative funding.

2023 FUNDING AVAILABLE

\$51 Million*

**Approximate funding available for 2023 to
support projects within
South Coast AQMD's jurisdiction.**

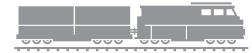
South Coast AQMD's jurisdiction includes large areas of Los Angeles, Orange, Riverside and San Bernardino counties -- including the Coachella Valley.

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



INTERESTED IN APPLYING IN 2023?

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 near-zero emission or 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. Must meet compliance with applicable laws and applicable off-road and marine regulations
3. Must meet the cost-effectiveness limit(s) of the Carl Moyer Program
4. Non-public entities must provide at least 15% 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 repper and replacement projects, the engine must achieve a Nitrogen Oxides (NOx) emissions benefit of at least 15%.

Carl Moyer Guidelines can be found at:

<http://ww2.arb.ca.gov/guidelines-carl-moyer>



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 may be funded based on cost-effectiveness, or tons of Nitrogen Oxides (NOx), Reactive Organic Gasses (ROG) and Particulate Matter (PM10) emissions reduced.

- Vehicles/engines/equipment meeting the current emission standards are subject to a cost-effectiveness limit of \$34,000 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 \$522,000 per weighted ton of emissions reduced beyond those achieved by the current emission standards

Projects are evaluated based on impacts to environmental justice communities as required by CARB, however South Coast AQMD can prioritize projects that will reduce emissions in and around environmental justice communities, regardless of cost-effectiveness.

APPLICATION DEADLINE

APPLICATIONS MUST BE SUBMITTED ONLINE BY 11:59 PM ON TUESDAY, MAY 9, 2023

Paper applications are no longer accepted.

To apply online please visit:

<https://gms.aqmd.gov/>

South Coast AQMD Program Contacts

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
David Chen (909) 396-3083 dchen@aqmd.gov
Justin Joe (909) 396-2054 jjoe@aqmd.gov

Off-Road Construction & Industrial Equipment

Alyssa Yan (909) 396-2024 ayan@aqmd.gov
Darren Ha (909) 396-2548 dha@aqmd.gov

Off-Road Agricultural Equipment

Kevin Perozo (909) 396-2522 kperozo@aqmd.gov

Cargo Handling Equipment/Electrification

Greg Ushijima (909) 396-3301 gushijima@aqmd.gov

Marine Vessels

Nick Volpone (909) 396-2636 nvolpone@aqmd.gov

Ship-side Shore Power

Nick Volpone (909) 396-2636 nvolpone@aqmd.gov

Locomotives

Andrew Yoon (909) 396-3043 ayoon@aqmd.gov

Infrastructure

George Wu (909) 396-2533 gwu@aqmd.gov

CARL MOYER PROGRAM WORKSHOPS:

Attendance at a program workshop is recommended, but not mandatory. Applications must be submitted online through the new Carl Moyer Program Grant Management System (GMS). Training for GMS will be included in these workshops. In light of COVID-19 and efforts to ensure public safety, South Coast AQMD will offer a combination of public workshops, pre-recorded presentations, and other virtual webinars (as needed) during the application period to provide background and assistance with program requirements, eligibility and a tutorial for the GMS. Dates for these presentations and virtual resources will be posted on www.aqmd.gov/moyer.

For additional Information about South Coast AQMD's Carl Moyer Program, please visit: www.aqmd.gov/moyer





**South Coast Air Quality
Management District**

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RETURN SERVICE REQUESTED

