

South Coast Air Quality Management District

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CARL MOYER

P R O G R A M



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

Application Deadline
August 4, 2020 1:00 PM





CARL MOYER PROGRAM OVERVIEW

Since 1998, the Carl Moyer Program has significantly reduced emissions and improved air quality by providing financial incentives to owners for the purchase of zero emission and low-emitting heavy-duty vehicles and equipment. Projects funded by the Carl Moyer Program include the retrofit, repower and replacement of older, heavy-duty vehicles and equipment with newer, cleaner models. Over the past 21 years, 8,601 tpy of NOx and 249 tpy of PM10 have been reduced above and beyond regulatory requirements.

2020 FUNDING AVAILABLE

\$34 Million

to support projects that will reduce emissions in the South Coast AQMD

South Coast AQMD's jurisdiction includes Orange County and the major portions of Los Angeles, Riverside and San Bernardino counties.

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

INTERESTED IN APPLYING IN 2020?

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 funding. 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. 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 projects).
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/htm>



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 and regulations, including labor laws.

Eligible on-road equipment include:

- Heavy-duty trucks with gross vehicle weight rating (GVWR) > 14,000 lbs
- Transit and other buses
- 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 must include 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 Carl Moyer Program 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.

Eligible infrastructure projects include:

- Battery charging stations (Electric Vehicle Supply Equipment)
- Hydrogen fueling stations
- Renewable natural gas fueling stations
- Other projects may be reviewed on a case-by-case basis



HOW WILL APPLICATIONS BE EVALUATED?

Each application will be reviewed for completeness. Only complete applications will move forward in the evaluation process. Projects will be evaluated for eligibility based on the 2017 Carl Moyer Program Guidelines, including any subsequent updates or changes, and considered for funding based on two main criteria: 1) the cost effectiveness of the project (i.e., total funds provided to the project divided by the tons of NOx, PM10 and ROG emissions reduced), and 2) the project's status with respect to reducing emissions in a disadvantaged and/or low-income community.

Projects must meet the cost effectiveness limits of the Carl Moyer Program:

- **Base limit:** \$30,000/ton for vehicles/equipment meeting the current emission standards, and
- **Optional Advanced Technology Limit:** \$100,000/ton for vehicles/equipment that are zero emission or meet the cleanest optional low NOx standard.

THE APPLICATION IS DUE BY 1:00 P.M. ON TUESDAY, AUGUST 4, 2020

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

For paper applications, please visit:
www.aqmd.gov/moyer

Paper applications must be directed to:
PROCUREMENT UNIT
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Paper applications must include the original plus three (3) complete copies, and an electronic copy (CD or flash drive) of the completed application. Faxed or emailed applications will not be accepted.

APPLICATION DEADLINE

South Coast AQMD Staff Contacts

Staff is available to answer questions and provide assistance with applications

On-Road Heavy-Duty Vehicles/Emergency Vehicles

Fan Xu	(909) 396-2347	fxu@aqmd.gov
Yuh Jiun Tan	(909) 396-2463	ytan@aqmd.gov
Tom Lee	(909) 396-2270	tlee@aqmd.gov

Off-Road Compression Ignition Equipment

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

Cargo Handling Equipment/Electrification

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

Walter Shen	(909) 396-2487	wshen@aqmd.gov
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Shore Power

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

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

Infrastructure

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



CARL MOYER PROGRAM WORKSHOPS:

In light of COVID-19 and South Coast AQMD's commitment to protect public health, the 2020 Carl Moyer Program workshops have been canceled. South Coast AQMD will be posting pre-recorded webcasts in lieu of public workshops. Please visit www.aqmd.gov/moyer for details on webcasts.

ON-ROAD HEAVY-DUTY VEHICLE/INFRASTRUCTURE /MARINE VESSEL/ SHORE POWER /CHE ELECTRIFICATION WORKSHOP:

Part of Los Angeles Board Room

425 South Palos Verdes St
San Pedro, CA 90731

Wednesday,

April 8, 2020

CANCELED

OFF-ROAD AGRICULTURAL EQUIPMENT/ENGINES WORKSHOP:

Coachella Valley Mosquito & Vector Control District, Board Room

43420 Trader Place
Indio, CA 92201

Wednesday,

April 15, 2020

CANCELED

ON-ROAD HEAVY-DUTY VEHICLE/ INFRASTRUCTURE/ OFF-ROAD HEAVY-DUTY EQUIPMENT WORKSHOPS:

Resurrection Church, Parish Hall

3324 E. Opal Street
Los Angeles, CA 90023

Wednesday,

April 22, 2020

CANCELED

Salt Lake Park, The Lounge

3401 E. Florence Avenue
Huntington Park, CA 90255

Thursday,

May 7, 2020

CANCELED

San Bernardino Valley College Building B100

701 South Mount Vernon Ave.
San Bernardino, CA 92410
(Free parking in Lot # 9, 10, & 11)

Tuesday,

May 12, 2020

CANCELED

CARL MOYER PROGRAM GENERAL WORKSHOPS:

South Coast AQMD Headquarters, Conference Room CC6

21865 Copley Drive

Diamond Bar, CA 91765

Wednesday,

April 29, 2020

CANCELED

Wednesday,

May 6, 2020

CANCELED

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



**South Coast
Air Quality
Management District**

South Coast
AQMD

21865 Copley Drive
Diamond Bar, CA 91765-4178

RETURN SERVICE REQUESTED