



Carl Moyer Memorial Air Quality Standards Attainment Program

Off-Road Equipment Project Fact Sheet

The Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program or CMP) is a state-funded program offering grants to owners of heavy-duty vehicles and equipment to reduce harmful air pollution from heavy-duty engines. The Bay Area Air Quality Management District (Air District) is accepting applications for the Carl Moyer Program beginning October 12, 2017.

NEW Program changes!
Funding for school buses, transit buses, electric & alternative-fueled equipment, charging & fueling infrastructure – larger funding amounts!

What types of off-road projects are eligible for grants?

Grants are available to help off-road diesel engine owners to: 1) install verified diesel emission control systems (VDECS) on existing engines, 2) replace older engines on existing equipment with newer emission-certified or zero-emission engines, 3) replace older equipment with newer and cleaner equipment or zero-emission equipment, and 4) install fueling or charging infrastructure as part of a proposed equipment project.

Table 1: Eligible project types and max percent of costs paid

Project type	Maximum Percentage
Diesel repower	85%
Large-spark ignition (LSI) engine repower	85%
Repower to zero-emission	85%
Installation of engine retrofit	100%
Mobile equipment replacement	Up to 80%*
Infrastructure	50% to 75%**

* New equipment not meeting the current emissions standards may not be eligible for max funding at 80%

** Max infrastructure funding depends on public accessibility and power generated by solar/wind

The funding of infrastructure is available in support of a funded off-road project: stand-alone infrastructure applications will not be accepted. Eligible infrastructure projects include battery charging stations, alternative fueling stations and stationary agriculture pumps. Funding starts at 50% of eligible costs and goes up to 75% for publicly accessible projects with power generated by wind/solar systems.

Common equipment for off-road funding may include loaders, tractors, dozers, excavators, scrapers, forklifts, ground support equipment, etc. Historically, grants have gone to projects that involve older engines with higher annual usage (as recorded by an hour meter or other reliable records). Projects are weighted based on the emissions reduced. As older engines tend to be higher polluters, these are generally more cost-effective and fundable projects. Funding opportunities are limited for equipment that has fewer than 3 years until its first compliance deadline or is already under regulation, unless the equipment owner can demonstrate emission reductions that are surplus to any regulatory requirement.

All vehicles and equipment funded with a grant must operate within the Air District’s jurisdictional boundaries. The Air District accepts applications for projects throughout its jurisdiction, but will prioritize projects that reduce emissions in the following nine Bay Area impacted communities:

- 1) Concord, 2) Richmond/San Pablo, 3) Western Alameda County, 4) San Jose, 5) Livermore, 6) Eastern San Francisco, 7) San Rafael, 8) Vallejo, and 9) Antioch/ Pittsburg.

For a Priority Community Map of highly impacted communities, see: www.baaqmd.gov/moyer. The following counties comprise the Air District’s jurisdiction: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, and southern portions of Solano and Sonoma.

Who can apply?

Owners of off-road equipment that have at least 3 years of surplus emission reductions (2 years for small fleets) prior to their off-road regulatory compliance requirements or are exempt from the off-road regulation (e.g. diesel agricultural equipment) are eligible to apply. Equipment must have an engine horsepower of at least 25hp.

Large fleets can apply for diesel replacement funding once after January 1, 2017. Large fleets that apply a second or subsequent times will only be eligible for zero-emission equipment.

How do I find out more about what regulation my equipment is subject to and what my first compliance date is?

If you are unsure what regulation your equipment falls under and cannot determine whether you are eligible to apply for grant funding, please call the CA Air Resources Board (CARB) regulatory hotline at 1-866-6-DIESEL or visit the following CARB webpages:

Table 2: CARB off-road equipment regulations

CARB fleet rules	CARB webpage link
Off-Road Diesel Vehicle Rule (includes diesel airport equipment)	http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm
Mobile Cargo Handling Equipment at Ports and Intermodal Rail Yards (includes equipment such as yard trucks, hostlers, cranes, top handlers, side handlers, forklifts, and loaders)	http://www.arb.ca.gov/ports/cargo/cargo.htm
Off-Road Large Spark-Ignition (LSI) Gasoline and LPG Equipment Rule. Includes forklifts, specialty vehicles, airport service equipment, large turf care equipment, portable generators, and a wide array of other agricultural, construction, and general industrial equipment powered by gasoline, liquefied petroleum gas (LPG), and other alternate fuels.	http://www.arb.ca.gov/msprog/offroad/orspark/orspark.htm

What other information should I know about grants for off-road engines?

- The application requires that you submit information about your existing engine and equipment (e.g. equipment/engine information, hp, serial number, engine tier, usage documentation, etc.) and information about the replacement engine or equipment (quotes from your engine dealer for prices, engine tier, and engine executive order).
- If equipment falls under a regulation, documentation will need to be provided to the Air District at the time of application demonstrating that the fleet is registered with CARB and in compliance.
- The Air District has contracted with Bay Area equipment dealers to assist applicants to apply for off-road equipment replacement projects. The Air District will also work with non-contracted dealers, on a case-by-case basis, for projects where the proposed equipment is for advanced technology (e.g. zero-emissions equipment) and/or is not available locally. A complete list of Air District-contracted Bay Area equipment dealers can be found at: www.baaqmd.gov/erp.
- Eligible projects can be co-funded along with other incentive programs, up to 85% of total eligible project costs, plus 15% grantee cost-share for private entities. Public agencies are eligible for up to 100% of project costs. Projects must be able to meet the individual requirements of each funding source.

How do I apply?

Apply online at: www.baaqmd.gov/moyer.

Applications are evaluated on a first-come, first-served basis until all funds have been awarded. Applications must be complete to be considered for funding

What can I do now, before I start my application?

- Understand any applicable state fleet rules that may apply to your fleet.
- Examine your fleet and determine which equipment might qualify for funding.
- Start collecting information on your equipment, engine, and any additional supplemental documentation needed for your application.
- Contact your engine or equipment dealer to discuss possibilities for your equipment.
- Review the application user guide and Chapter 5 “Off-Road Equipment” of the current California Air Resources Board (CARB) 2017 Carl Moyer Program (CMP) Guidelines: <http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>
- Contact Adam Shapiro at (415) 749-8441 or ashapiro@baaqmd.gov with any additional questions.