



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Carl Moyer Memorial Air Quality Standards Attainment Program

Off-Road Equipment & Portable Engine 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 **NOW ACCEPTING** applications for off-road equipment and portable engine projects.

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

What types of projects are eligible?

Grants are available 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.

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

Project type	Maximum Percentage
Diesel repower	Up to 95%
Large-spark ignition (LSI) engine repower	Up to 95%
Repower to zero-emission	Up to 95%
Installation of engine retrofit	Up to 100%
Mobile equipment replacement	Up to 90% ¹
Portable equipment replacement (excludes stationary)	Up to 90%
Infrastructure	Up to 60% of the cost to purchase and install alternative fueling or charging infrastructure ²

Notes

1. New equipment not meeting the current emission standards is not eligible for max funding
2. Additional funding may be available for infrastructure that is publicly accessible, powered by solar/wind, serving a port/railyard/freight facility, or located at a sensitive receptor.

Common equipment for these eligible project categories includes loaders, tractors, dozers, excavators, scrapers, forklifts, ground support equipment, portable generators, concrete pumps, wood chippers, and water pumps. Projects are evaluated based on the emissions reduced. Older engines or engines with high usage (as recorded by an hour meter or other reliable records) are generally more cost-effective and fundable projects. Funding opportunities are limited for equipment with fewer than 3 years until a compliance deadline or already under regulation, unless the equipment owner can demonstrate emission reductions that are surplus to regulatory requirements.

The following counties are part of the Air District’s jurisdiction: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara and southern portions of Solano and Sonoma. CMP-funded equipment must operate within the Air District’s jurisdictional boundaries.

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Priority is given to projects that reduce emissions in the following impacted communities – AB 617 communities and communities for future AB 617 consideration.

- West Oakland
 - Richmond-San Pablo
 - East Oakland/ San Leandro
 - Eastern San Francisco
- Pittsburg-Bay Point area
 - San Jose
 - Tri-Valley area
 - Vallejo

More information about this funding priority is available at www.baaqmd.gov/AB617grants. Air District staff will determine whether applications meet Community Health Protection Grant Program and Carl Moyer Program requirements.

Who can apply?

Owners of off-road and portable engine equipment with at least 3 years of surplus emission reductions (2 years for small fleets) prior to any regulatory compliance requirements or are exempt from regulation (e.g. diesel agricultural equipment) are eligible to apply. Equipment must have an engine horsepower of 25 hp or greater. Additionally, all portable engines with 50 hp or greater must be registered with [California’s Portable Engine Replacement Program \(PERP\)](#).

How do I find out about the regulations my equipment is subject to?

If you are unsure which regulation your equipment falls under and cannot determine whether you are eligible to apply, 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
Statewide Portable Equipment Registration Program (PERP)	https://ww2.arb.ca.gov/our-work/programs/portable-equipment-registration-program-perp
Off-Road Diesel Vehicle Rule (includes diesel airport equipment)	http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm
Mobile Cargo Handling Equipment at Ports & Intermodal Rail Yards (includes yard trucks, cranes, top handlers, side handlers, forklifts, and loaders)	https://ww2.arb.ca.gov/our-work/programs/cargo-handling-equipment
Off-Road Large Spark-Ignition (LSI) Gasoline and LPG Equipment Rule. ¹	http://www.arb.ca.gov/msprog/offroad/orspark/orspark.htm

What other information should I know about the grant process?

- The application requires that you submit information about your existing engine and equipment (e.g. equipment/engine information, hp, serial number, engine tier, and usage documentation) and information about the replacement engine or equipment (quotes from your engine dealer for prices, engine tier, and engine executive order).

¹ LSI Regulation includes forklifts, specialty vehicles, airport service equipment, large turf care equipment, portable generators, and other agricultural, construction, and general industrial equipment powered by gasoline, liquefied petroleum gas (LPG), and other alternate fuels

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- If equipment falls under a regulation, you will submit documentation to the Air District demonstrating that the fleet is registered with CARB and in compliance.
- Eligible projects can use additional funds from other incentive programs (“co-funding”). Private fleets may be able to co-fund up to 95% of the project costs, while public agencies may be eligible to co-fund up to 100% of project costs. Projects must be able to meet the individual requirements of each funding source.
- **For Off-Road Equipment projects:**
 - 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.

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. *You can find what Tier Engine your existing engine is by reviewing the following chart:* https://www.arb.ca.gov/msprog/ordiesel/documents/off-road_diesel_eng_emis_factors.pdf.
- 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>
- If you have additional questions, contact the following:
 - **Off-Road Equipment Projects** - Adam Shapiro at (415) 749-8441 or ashapiro@baaqmd.gov
 - **Portable Engine Projects** - Michael Neward at (415) 749-4703 or mneward@baaqmd.gov

How do I apply?

Apply online at: www.baaqmd.gov/moyer or www.baaqmd.gov/ab617grants

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.