



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 paid**

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% <sup>1</sup>
Portable equipment replacement (excludes stationary)	Up to 90%
Infrastructure	Up to 60% of the cost to purchase and install alternative fueling or charging infrastructure <sup>2</sup>

#### Notes

1. New equipment not meeting the current emission standards are not eligible for max funding up to 95%.
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 may include loaders, tractors, dozers, excavators, scrapers, forklifts, ground support equipment, portable generators, concrete pumps, wood chippers, water pumps, etc. 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 is already under regulation, unless the equipment owner can demonstrate emission reductions that are surplus to any regulatory requirement.

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. **Priority is given to projects that reduce emissions in the following impacted communities:** 1) Concord, 2) Richmond/San Pablo, 3) Western Alameda County, 4)

# Carl Moyer Memorial Air Quality Standards Attainment Program

## Off-Road Equipment & Portable Engines

San Jose, 5) Livermore, 6) Eastern San Francisco, 7) San Rafael, 8) Vallejo, and 9) Antioch/ Pittsburg. Jurisdiction and priority community maps are available at: [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer).

Under the **Community Health Protection Grant Program**, higher grants are available for the replacement of diesel-fueled equipment with zero-emissions (or cleanest available) equipment operating in economically disadvantaged areas in the following corridors:

- The 880/80 Corridor – Hayward to Richmond, including East and West Oakland, Berkeley and Richmond; and/ or
- The Refinery Corridor – Rodeo, Vallejo, outside Martinez to Pittsburg.

More information about this funding priority is available at [www.baaqmd.gov/AB617grants](http://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 at least 25 hp. 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)	<a href="https://ww2.arb.ca.gov/our-work/programs/portable-equipment-registration-program-perp">https://ww2.arb.ca.gov/our-work/programs/portable-equipment-registration-program-perp</a>
Off-Road Diesel Vehicle Rule (includes diesel airport equipment)	<a href="http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm">http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm</a>
Mobile Cargo Handling Equipment at Ports & Intermodal Rail Yards (includes yard trucks, cranes, top handlers, side handlers, forklifts, and loaders)	<a href="http://www.arb.ca.gov/ports/cargo/cargo.htm">http://www.arb.ca.gov/ports/cargo/cargo.htm</a>
Off-Road Large Spark-Ignition (LSI) Gasoline and LPG Equipment Rule. <sup>1</sup>	<a href="http://www.arb.ca.gov/msprog/offroad/orspark/orspark.htm">http://www.arb.ca.gov/msprog/offroad/orspark/orspark.htm</a>

<sup>1</sup> 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

# Carl Moyer Memorial Air Quality Standards Attainment Program

## Off-Road Equipment & Portable Engines

### 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, 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, 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](http://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](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](mailto:ashapiro@baaqmd.gov)
  - **Portable Engine Projects** - Michael Neward at (415) 749-4703 or [mneward@baaqmd.gov](mailto:mneward@baaqmd.gov)

### How do I apply?

Apply online at: [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer) or [www.baaqmd.gov/ab617grants](http://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.