

Bay Area Air Quality Management District Carl Moyer Program Off-Road Equipment Project Fact Sheet

What is the Carl Moyer Program?

The Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program) is a state funded program that offers grants to owners of heavy-duty vehicles and equipment in order to reduce air pollution emissions from heavy-duty engines.

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

Grants are available to help off-road diesel engine owners to: 1) install verified diesel emission control systems (DECS) on existing engines, 2) replace older engines with newer and emission-certified engines (with a required DECS), and 3) purchase new equipment such as electric off-road equipment (on a case by case basis). For all engine replacement projects, you must purchase the cleanest available engine and install the cleanest DECS when safe and technically feasible.

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

Grants are available to help off-road gasoline, propane, CNG, and LPG engine owners 1) install verified emission control system on an existing engine (usually a stoichiometric air/fuel controller and 3-way catalyst for LSI engines), 2) replace older engines with newer and cleaner engines, 3) to purchase new equipment such as electric off-road equipment (on a case by case basis). For all retrofit installations, you must purchase the cleanest available device when safe and technically feasible.

Who can apply?

Provided the project is not required by law, owners of any off-road *diesel* engines with 25 or more horsepower (hp) are eligible to apply, including: backhoes, agricultural pumps, trackers, scrapers, excavators, trenchers, graders, class 7 forklifts, and airport equipment including aircraft pushback tugs, baggage and cargo tugs, carts, group power units, air conditioning units, belt loaders and other equipment. Provided the project is not required by law, any owner of off-road *gasoline, propane, CNG, and LPG* engines with 25 horsepower or more is eligible to apply, including: large turf care equipment, scrubber/sweepers, airport equipment including aircraft pushback tugs, baggage and cargo tugs, carts, group power units, air conditioning units, belt loaders and other equipment, and a variety of agricultural, construction and industrial equipment, including class 1 – 6 forklifts.

All vehicles and equipment funded with a grant must operate within the District's boundaries. The District is accepting applications for projects throughout its jurisdiction, but will prioritize projects that reduce emissions in highly impacted communities. Highest priority will be given to the following six highly impacted communities:

- 1) Concord, 2) Richmond/San Pablo, 3) Western Alameda County, 4) San Jose, 5) Redwood City/East Palo Alto, and 6) Eastern San Francisco.

For a Priority Community Map of highly impacted communities in the Bay Area, see: <http://www.baaqmd.gov/moyer>. The following counties are part of the District's jurisdiction: Alameda, Contra Costa, Marin, San Mateo, San Francisco, Santa Clara, and Napa counties. The southern portions of Solano and Sonoma counties are also part of the District.

How do I know if my project is required by law?

ARB has the authority to pass and enforce Fleet Rules that require engine owners to reduce pollution from their engines. There are two Fleet Rules that require off-road diesel engine owners to clean up their engines and one Fleet Rule relevant to large-spark off-road equipment. To find which Fleet Rule covers your equipment, visit the following ARB webpages:

Fleet Rule	ARB Webpage Information 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

My off-road engines are subject to a Fleet Rule, am I eligible for a grant?

Grants cannot be used for projects that are required by law or by a contract or agreement; however, they can be applied to projects that comply at least three years in advance of the regulation or requirement. For example, if a state fleet rule requires that an engine's emissions be reduced by 1/1/2013, grants can be awarded to reduce those emissions as long as the funded equipment is operational by 1/1/2010. All eligible vehicles and equipment must operate within the Air District's boundaries. Here are two specific examples:

Operators of fleets subject to the Off-Road Diesel Vehicle Rule:

- Fleets with over 5,000 hp of affected vehicles have very limited opportunities for Carl Moyer Program grants.
- Fleets with between 2,501 and 5000 hp are eligible to apply, provided the funded equipment is operational by 2/28/2010.
- Fleets with 2,500 hp or less are eligible to apply, provided the funded equipment is operational by 2/28/2012.

Operators of fleets subject to the Mobile Cargo Handling Equipment at Ports and Intermodal Rail Yards:

- Fleets with 3 or fewer trucks may be eligible to apply for grants for off-road trucks with engine model year 2004 and newer.
- Fleets with 4 or more trucks may be eligible to apply for grants for off-road trucks with engine model year 2002 and newer.
- Contact the Air District for more details.

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

- The application requires that you submit information about your existing engine (model year, serial number, engine tier) and information about the replacement engine or equipment (quotes from your engine dealer for prices, engine tier, and engine executive order).
- The application requires documentation that you carry general liability and property insurance equal to the full replacement value of the vehicle or equipment.
- Note that this is not a complete list of the program requirements. For more information about what is required, see Chapter Five “Off-Road Compression Ignition Engines” and Chapter Six “Off-Road Large-Spark Ignition Equipment”, in the 2008 Carl Moyer Program Guidelines (the “Guidelines”). See below for the webpage of the Guidelines.

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

- Read the Air District Carl Moyer Program Overview Fact Sheet for rules that apply to all project types available from the Air District and online at <http://www.baaqmd.gov/moyer>.
- Understand any applicable state fleet rules that may apply to your fleet.
- Review the California Air Resources Board (ARB) 2008 Carl Moyer Program Guidelines Chapter Five “Off-Road Compression Ignition Engines” and Chapter Six “Off-Road Large-Spark Ignition Equipment”. The Guidelines are on the ARB webpage <http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>
- Start collecting information needed for your application.
- Contact your engine or equipment dealer to discuss possibilities for your equipment.
- Contact the Air District with any additional questions.

When are applications available?

Applications will be available from the Air District website <http://www.baaqmd.gov/moyer> on April 15, 2009. The Air District will accept applications on a rolling basis and funding is first-come, first-served based on staff’s determination of application completeness. For more information, contact Mara Weibley at the Air District at 415-749-4965 or mweibley@baaqmd.gov.