



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Carl Moyer Memorial Air Quality Standards Attainment Program

Locomotive 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 locomotive projects.

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

What types of locomotive projects are eligible?

Grants are available for the following locomotive project types: **(1)** Locomotive replacements, **(2)** Locomotive engine repower, and **(3)** Head-end-power unit (HEP) replacement (on a case-by-case basis).

New locomotives with an aggregate engine power rating greater than or equal to 1,006 horsepower (750 kW) must be certified by U.S. Environmental Protection Agency (EPA) and verified by the CA Air Resources Board (CARB) to achieve Tier 4 locomotive engine emission standards (or cleaner). New locomotives with an aggregate engine power rating less than 1,006 horsepower are not required to be certified by EPA to locomotive standards, but are required to be certified EPA off-road (non-road) engine emission standards. This lower horsepower equipment must also be verified by CARB to meet or exceed the Tier 4 locomotive standards.

Who can apply?

Projects involving Class 1, Class 2, Class 3, passenger, industrial, and military locomotives are eligible for funding. 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 – 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.

How much funding is available for locomotive projects?

Table 1 below summarizes the maximum eligible funding amounts. All projects are also subject to the cost-effectiveness threshold set by the state for this program.

Table 1: Maximum grant funding for Carl Moyer Program/
Community Health Protection grant program locomotive projects

Railroad class/ type	All project types <i>(max % of eligible costs)</i>
Class 1 and Class 2	85%
Class 3, passenger, industrial, and military railroads	95%

How do I know what emissions regulations apply to my locomotive?

The EPA has the authority to pass and enforce regulations for locomotive engine emission standards. <https://www.epa.gov/compliance-and-fuel-economy-data/annual-certification-data-engines-and-equipment#locomotive>

My locomotive engine is subject to a regulation or MOU to reduce emissions, 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 regulations. For example, if a regulation requires that an engine’s emissions be reduced by 2023, grants can be awarded to reduce those emissions as long as the funded equipment is operational by 2020.

What other information should I know about the grants for locomotive engines?

- The application requires that you submit information about your existing engine (model year, serial number, engine tier, horsepower, and fuel consumption) and information about the replacement engine or equipment (quotes from your engine dealer for prices, engine tier, and engine horsepower).
- The application requires documentation that you carry general liability and workers compensation insurance and machinery insurance equal to the full replacement value of the engine.
- Note that this is not a complete list of the program requirements. For more information about what is required, read Chapter Six, Locomotives, in the 2017 CARB Carl Moyer Program Guidelines (See below for link).

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 www.baaqmd.gov/moyer.
- Understand any applicable federal and state rules and MOUs in effect or pending for your engine.
- Review the 2017 CARB Carl Moyer Program Guidelines Chapter Six, Locomotives, at: <https://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>
- Start collecting information needed for your application.
- Contact your engine or equipment dealer to discuss potentially eligible projects for your equipment.
- Contact the Air District with any additional questions.

When are applications available?

Applications for the Carl Moyer Program are available from the Air District through an online application system at www.baaqmd.gov/moyer. Applications that are determined to be **complete** will be evaluated on a first-come, first-served basis until all Carl Moyer funding has been allocated.

For more information, contact **Anthony Fournier** or afournier@baaqmd.gov.