

# Carl Moyer Memorial Air Quality Standards Attainment Program Locomotive Application

## Introduction

The Bay Area Air Quality Management District (“District”) is accepting applications for the Carl Moyer Memorial Air Quality Standards Attainment Program (the “Carl Moyer Program”). The purpose of this program is to provide funding to replace, repower and retrofit heavy-duty diesel engines with lower-polluting engines and retrofit control devices. The District is accepting applications for projects throughout its jurisdiction, but will prioritize projects that reduce emissions in 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. This application is for the purchase of new locomotives, repowers, retrofits and idle-limiting devices on locomotive engines.

This program will, in general, follow the 2008 guidelines of the California Air Resources Board’s (ARB) **Carl Moyer Memorial Air Quality Standards Attainment Program**. For more information on this ARB program see: <http://www.arb.ca.gov/msprog/moyer/moyer.htm>.

For additional information about the District’s policies and application process, see <http://www.baaqmd.gov/moyer>.

## What You Need To Do

Applications that are determined to be **complete** will be evaluated on a first come first served basis. If you would like to be considered for participation in this program, please fill out the application and mail two copies of the application form along with two copies of the required attachments to:

<p style="text-align: center;"><b>Bay Area Air Quality Management District</b> <b>Attn: Anthony Fournier</b> <b>939 Ellis St.</b> <b>San Francisco, CA 94109</b></p>
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The submittal of this information does not guarantee approval for funding, but will be used to determine the potential emission reductions and District funding contribution associated with the proposed project. Any equipment purchased prior to the execution of an official grant agreement and pre-project inspection will not be eligible for funding.

All applicants will receive notification of received applications within 5 business days via email, fax or mail. If you do not hear from the District within 5 business days of delivery, please contact the District immediately.

If you have any questions regarding this program or the application process, please contact Anthony Fournier by phone at (415) 749-4961 or by e-mail at: [afournier@baaqmd.gov](mailto:afournier@baaqmd.gov).

**Part 1: Applicant Information**

Please type, visit [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer) for an electronic copy of this application to fill out on a computer, or **print clearly**.

**1. Legal Name of Applicant /Equipment Owner:** \_\_\_\_\_

**2. Mailing Address:** \_\_\_\_\_ The "Applicant"

Street Address/P.O. Box \_\_\_\_\_

City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**Contact information**

	Name	Email Address	Phone Number	Fax Number
<b>3. Primary Project Contact</b>				
<b>4. Person Authorized to Sign Application and Execute Project Agreement</b>				
<b>5. Person who Completed Application</b>				

If a **Third Party** (e.g., engine dealer, distributor or consultant, etc.) assisted the Applicant to complete this application, such Third Party must complete this Section:

**6.** What is your position? \_\_\_\_\_

**7.** How much are you being paid to complete this application for the owner or to assist in the proposed project? \$ \_\_\_\_\_

**8.** What is the source of funds being used to pay you? \_\_\_\_\_

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Name (Please Print):** \_\_\_\_\_

**9.** How did the applicant hear about the Carl Moyer Program?

**10.** Did the applicant or anyone associated with this application (primary contact, employee of owner, third party) attend a Carl Moyer Program Application Workshop, a meeting or other event where information was presented about BAAQMD grant programs?  YES  NO

**11.** If yes, please provide the event name and approximate date of the event:

**12.** Number of engines we have applied for in this application \_\_\_\_\_

**13. Applicant must read and initial each item below to indicate understanding and agreement:**

I understand that this application is for evaluation purposes only and does not guarantee project funding.

**Initial:** \_\_\_\_\_

I understand and agree that the District will conduct an inspection of the equipment, vehicle(s) and/or vessel(s) that are the subject of this application prior to an award in order to verify eligibility and compliance with the Carl Moyer Program.

**Initial:** \_\_\_\_\_

I certify that the proposed project is not required by any local, State or federal rule or regulation; judicial order, or agreement, memorandum of understanding, contract, or other binding obligation that requires the project application to implement any portion of the project that would be funded by the District under the Carl Moyer Program.

**Initial:** \_\_\_\_\_

I certify that this application is for equipment/vehicle(s)/engine(s) that have not already been funded, nor are currently under consideration for funding by another air district, the California Air Resources Board (ARB) or by another public agency.

**Initial:** \_\_\_\_\_

I certify that to the best of my knowledge, the information contained in this application and in any documentation accompanying this application or submitted in furtherance of this application is true and accurate.

**Initial:** \_\_\_\_\_

I have attached documentation showing that my organization carries the appropriate property and liability insurance.

**Initial:** \_\_\_\_\_

I understand and agree that new equipment/vehicle(s)/engine(s) funded by this program can only be purchased or ordered once the contract is signed between the equipment owner and the District and a pre-project inspection has been conducted.

**Initial:** \_\_\_\_\_

I certify that I have the legal authority to apply for funding on behalf of the applicant entity and that I am authorized to sign this application on behalf of applicant.

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
*(Authorized Representative of Applicant / Owner)*

**Name (Please Print):** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Part 2: Locomotive Proposal**

Locomotive Information

1.	Project Type: (Repower, remanufacture kit, idle-limiting device, alt technology switcher – can be more than one item)
2.	Railroad Class (Class 1 or Class 3):
3.	Locomotive Type (Line Haul, Traditional Switcher, Alternative Technology Switcher, Passenger):
4.	Locomotive Make:
5.	Locomotive Model:
6.	Locomotive Horsepower:
7.	Locomotive Serial Number:
8.	Fuel Type:
9.	Engine Make:
10.	Engine Model:
10.	Engine Year:
11.	Engine Serial Number:
12.	If funded, when will this locomotive return to service?
13.	Total Amount requested from BAAQMD for locomotive project:
14.	Are all quotes from your vendor(s) attached? <input type="checkbox"/> YES <input type="checkbox"/> NO

Activity Information

15.	Does the locomotive already have a functioning automatic start-stop (AESS) ILD installed? <input type="checkbox"/> YES <input type="checkbox"/> NO
16.	Annual Gallons Fuel Consumption <sup>1</sup> :
17.	Percent Operation in California:
18.	Percent Operation in District: <small>Note: See <a href="http://www.baaqmd.gov/dst/jurisdiction.htm">http://www.baaqmd.gov/dst/jurisdiction.htm</a> for a jurisdiction map.</small>
19.	Project Life (How many years will this equipment operate, once the project is completed and the locomotive returns to service?):

Electronic Monitoring Unit (EMU) Information

20.	Will a new eligible EMU be installed as part of this project? <sup>2</sup> <input type="checkbox"/> YES <input type="checkbox"/> NO
21.	EMU Make:
22.	EMU Model:
23.	EMU Model Year:
24.	EMU ID Number:
25.	EMU Cost:

<sup>1</sup> Two years of documentation is required, such as two years of monthly logs to document fuel usage. Please attach supporting documentation in Part 3: Attachments.

<sup>2</sup> All line-haul locomotive new purchase and repower projects must include an EMU. The EMU is an eligible project expense. The EMU must be capable of providing complete digital information regarding activity (hours or mileage) and location. For dual-fuel projects, the EMU must also electronically monitor fuel consumption.

**New Purchase Projects Only:**

<b>26.</b> New Locomotive Cost:
<b>27.</b> Locomotive Vendor:
<b>28.</b> How many engines does the new switcher have?
<b>29.</b> What type of engine(s) does the new switcher use (on-road or off-road): <sup>3</sup>
<b>30.</b> Engine Make:
<b>31.</b> Engine Model:
<b>32.</b> Engine Year:
<b>33.</b> Engine Horsepower:
<b>34.</b> ARB Certification Executive Order:
<b>35.</b> Engine Family and Tier if applicable:
<b>36.</b> New Switcher Fuel Consumption (if different than baseline):
<b>37.</b> Has this engine been certified by U.S. EPA: <input type="checkbox"/> YES <input type="checkbox"/> NO If Yes:
<b>(a)</b> U.S. EPA certified locomotive NOx emission rate (g/bhp-hr):
<b>(b)</b> U.S. EPA certified locomotive HC emission rate (g/bhp-hr):
<b>(c)</b> U.S. EPA certified locomotive PM emission rate (g/bhp-hr):

**Repower Projects Only:**

<b>37.</b> Reduced Emission Engine Make:
<b>38.</b> Reduced Emission Engine Model:
<b>39.</b> Reduced Emission Engine Serial Number:
<b>40.</b> Reduced Emission Engine Horsepower:
<b>41.</b> ARB Certification Executive Order:
<b>42.</b> Engine Family and Tier if applicable:
<b>38.</b> Has this engine been certified by U.S. EPA: <input type="checkbox"/> YES <input type="checkbox"/> NO If Yes:
<b>(a)</b> U.S. EPA certified locomotive NOx emission rate (g/bhp-hr):
<b>(b)</b> U.S. EPA certified locomotive HC emission rate (g/bhp-hr):
<b>(c)</b> U.S. EPA certified locomotive PM emission rate (g/bhp-hr):
<b>43.</b> Reduced Emission Engine Cost:
<b>44.</b> Reduced Emission Engine Installation Cost:

**Locomotive Idling Limiting Device or Engine Remanufacturing Kit Only:**

**For AESS ILD (Automatic Engine Start-Stop Idle Limiting Device) Projects:**

<b>44.</b> AESS Make:
<b>45.</b> AESS Model:
<b>46.</b> AESS Year:
<b>47.</b> AESS ID Number:
<b>48.</b> AESS Capital Cost:
<b>49.</b> AESS Installation Cost:

<sup>3</sup> If more than one type of engine, please attach additional pages to answer Questions 29-37 for each engine type.

Applicant Name \_\_\_\_\_  
Unit Number \_\_\_\_\_

**For Engine Remanufacturing Kits:**

<b>50.</b> Remanufacturing Kit Make:
<b>51.</b> Remanufacturing Kit Model:
<b>52.</b> U.S. EPA Certified Locomotive Emission Level (Tier 0, 1 or 2):
<b>53.</b> Remanufacturing Kit Cost:

(If you are requesting funding for additional engines, copy Part 2 and proceed with engine 2, 3, 4, etc.)

**Part 3: Documentation to be Submitted with Application**

**Appendix A: Insurance Information**

**Verification of Coverage**

Please attach certificates (“Evidence of Coverage”) and/or other evidence of the insurance coverage required below.

**Acceptability of Insurers**

Insurance is to be placed with insurers with a current A.M. Best’s rating of no less than A: VII. The Air District may, at its sole discretion, waive or alter this requirement or accept self-insurance in lieu of any required policy of insurance.

1. General Liability Insurance
  - a. Corporations and Public Entities - a limit of not less than \$1,000,000 per occurrence.
  
2. Property Liability

**Part 3: Documentation to be Submitted with Application**

**Appendix B: Fuel Documentation**

Please attach documentation to support claim of fuel usage in Part 2, Question 16.

**Annual Fuel Usage Documentation**

Please attach documentation to support the annual fuel use claim on the application. For example, two years of fuel documentation may include

1. Fuel logs
2. Purchase receipts summarized by month or quarter
3. Ledger entries

Please contact the District if you have questions.

Applicant Name \_\_\_\_\_

Carl Moyer Program Locomotive Application  
Part 3: Attachments

**Part 3: Documentation to be Submitted with Application**

**Appendix C: Engine Executive Orders**

**Part 3: Documentation to be Submitted with Application**

**Attachment D: Quote for project**

Please attach a quote for the proposed project. The quote must include

- a. Engine Family Name or Engine Tier of the engine
- b. Labor and parts costs separately. Include estimated number of hours and cost per hour.
- c. Separate labor and parts costs for equipment (engine, AESS ILD, EMU, remain kit/repower and retrofit)

**Part 4 Application Checklist**

- Did you sign the application?**
- If completed by a Third Party, did the Third Party sign the application?**
- Did you make 2 copies of each application? Each project should have:**
  - 2 copies of Part 1, and**
  - 2 copies of Part 2, and**
  - 2 copies of all attachments for each locomotive submitted as part of the project.**
- Did you attach proof of applicable insurance?**

**Checklist of Attachments**

**Part 3:**

- Two years of fuel documentation in gallons (for example, a fuel log in a monthly format)**

**For New Engine Purchases Attach:**

- Quote for the new locomotive cost**

**For Engine Repowers Attach:**

- Quote for the new replacement engine that shows the:**
  - Price of the engine and all required parts**
  - Price of engine installation**

**For Engine Retrofits, Remanufacturing Kits and Idle Limiting Devices Attach:**

- Quote for the retrofit, remanufacturing kit and/or idle limiting device that shows the:**
  - Price of the equipment being installed**
  - Price of the installation**

**Survey Questions**

**Was this application easy to follow?  Yes  No**

**If not, do you have any recommendations for making it easier to understand?**

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