

Carl Moyer Memorial Air Quality Standards Attainment Program On-Road Heavy-Duty Diesel Emission Reduction Project: Retrofit Application

Introduction

The Bay Area Air Quality Management District (“District”) is accepting applications for the Carl Moyer Memorial Air Quality Standards Attainment Program (“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 engine retrofit projects only.

This program will, in general, follow the 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>. Note that ARB is in the process of updating the chapter on on-road projects and will release a Program Advisory later in 2009.

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>Bay Area Air Quality Management District <u>Attn:</u> Judy Williams 939 Ellis St. San Francisco, CA 94109</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 Judy Williams by phone at (415) 749-4738 or by e-mail at: jwilliams@baaqmd.gov.

Part 1: Applicant Information

Please type, visit 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 Vehicle

Owner: _____
The "Applicant"

2. Mailing Address:

Street Address/P.O. Box _____
City _____ County _____ State _____ Zip _____

Contact information

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

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): _____

<p>9. How did the applicant hear about the Carl Moyer Program?</p>
<p>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?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>11. If yes, please provide the event name and approximate date of the event:</p>
<p>12. Number of engines we have applied for in this application _____</p> <p>Please note that one application can have multiple engines associated with it. For example, fill out Part 1 once and Part 2 for each proposed retrofit project.</p>

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 insurance (i.e. General Liability, Automobile Liability, and Automobile Comprehensive & Collision/Physical Damage 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 Vehicle Owner)

Name (Please Print): _____

Title: _____

Part 2: Proposal to add a retrofit device to an existing engine in an on-road vehicle

Please complete Part 2 as needed for each vehicle submitted for consideration as part of this project. Please type, visit www.baaqmd.gov/moyer for an electronic copy of this application to fill out on a computer, or **print clearly**.

Existing Vehicle Information

1. Unit Number:
2. Name of facility where the vehicle is housed:
3. Street Address:
4. City:
5. County:
6. State:
7. Zip Code:
8. Vehicle Type (Solid Waste Collection Vehicle, Street Sweeper, School Bus, Urban Bus, Other Transit Vehicle, Other Heavy-Heavy Duty Vehicle or Other Medium Heavy-Duty Vehicle):
9. If vehicle type is Other Transit Vehicle, Other Heavy-Heavy Duty Vehicle or Other Medium Heavy-Duty Vehicle, please describe the work performed by the vehicle (example: dump truck, concrete truck, water truck, shuttle service, etc):
10. Vehicle Identification Number (VIN):
11. Vehicle Make:
12. Vehicle Model:
13. Vehicle Model Year:
14. Gross Vehicle Weight Rating (GVWR):
15. Gross Combined Vehicle Weight Rating (GCVWR):
16. License Plate Number:
17. Department of Transportation Number (if interstate):
18. California Highway Patrol CA Number:

Fleet Regulation Information

19. Name of California State Fleet Regulation this vehicle is subject to:
20. Will this vehicle at any time enter a California port property or intermodal rail yard to transport goods?
21. When is this vehicle required to be in compliance with the regulation? (Month/Day/Year).
22. If funded by the BAAQMD, when will this vehicle return to service?
23. How many vehicles are in this fleet? ^{1,2}

¹ Note that if this project is funded, ARB will require grantee to certify that all vehicles in the fleet eligible for Low NOx software upgrade (“reflash”) are reflashed. For more information please see <http://www.arb.ca.gov/msprog/hdsoftware/hdsoftware.htm>.

² Applicant should report the total number of vehicles that operate within California, unless vehicles are subject to the Solid Waste Collection Vehicle Regulation (SWCVR). If subject to the SWCVR, report the number of vehicles housed at the same terminal as the project vehicles submitted in this application.

Activity Information

24. How many annual miles does this vehicle travel? If application is for a vehicle that idles (for example street sweeper or refuse collection), please also included annual fuel information. ³	2007	2008
	Miles	
	Gallons of fuel	
25. Project Life (How many years will this vehicle operate, once the project is completed and the vehicle returns to service?):		
26. Percent Operation in California:		
27. Percent Operation in District:		
<p>Note: The BAAQMD jurisdiction includes all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo and Santa Clara Counties, and the southern portions of Sonoma and Solano Counties. See http://www.baaqmd.gov/dst/jurisdiction.htm for a jurisdiction map.</p>		

Impacted Communities as identified on the Priority Community Map

Projects that operate in Bay Area highly impacted communities will be prioritized for funding. To be considered for this prioritization, please answer the following questions.

28. Does this vehicle operate in a Bay Area highly impacted community? (See the Priority Community map <http://www.baaqmd.gov/moyer>):

YES NO

If yes, please answer the following question.
If no, skip to “Existing Engine Information”

29. Please use the Priority Community map to identify which impacted communities this vehicle operates in, and indicate the percentage of time this vehicle operates in each highly impacted community in the table below. BAAQMD staff may request that the grant applicant provide documentation to verify the information provided below.

The electronic Priority Community map is located on the District’s webpage identifies the six highly impacted communities. Use the “zoom in” tool on the electronic version of the map to enlarge the map to best identify boundaries. If you do not have access to the internet, the Priority Community Map is available by request from the Grants Programs Document Request Line, (415) 749-4994.

Zone Number	Highly Impacted Community	Percent Operation
1	Concord	%
2	Richmond/San Pablo	%
3	Western Alameda County	%
4	San Jose	%

³ Please attach supporting documentation in Part 3: Attachments.

	5	Redwood City/East Palo Alto	%
	6	Eastern San Francisco	%

Note: If the vehicle currently operates in Impacted Communities and this proposal is funded, the contract between the grantee and the BAAQMD will require the grantee to continue to operate this vehicle in Impacted Communities in the Bay Area.

Existing Engine Information Main Engine Auxiliary Engine

30. Engine Fuel Type:
31. Is the ARB Engine Executive Order attached? <input type="checkbox"/> YES <input type="checkbox"/> NO
The Executive Order should be available from your engine dealer or on the ARB webpage at http://www.arb.ca.gov/msprog/onroad/cert/cert.php (main engines) and http://www.arb.ca.gov/msprog/offroad/cert/cert.php (auxiliary engines).
32. Engine Make:
33. Engine Model:
34. Engine Model Year:
35. Engine Serial Number:
36. Engine Family Name:
Note: The Engine Family Name (EFN) is a string of approximately 12 letters and numbers found on most engine block tags and on the engine's Executive Order issued by ARB. Your engine dealer can provide an Executive Order, or see http://www.arb.ca.gov/msprog/onroad/cert/cert.php .
37. Engine Horsepower:
38. Engine Tier (if applicable):

Engine Retrofit Information Main Engine Auxiliary Engine

39. Retrofit Device Make:
40. Retrofit Device Model:
41. Retrofit Device Level (1, 2, or 3):
42. Retrofit Device ARB Executive Order Number:
43. Is this retrofit device the highest level NOx and PM reducing device verified for this engine? <input type="checkbox"/> YES <input type="checkbox"/> NO
If not, please explain why not: ⁴

Cost Information – Provide Quotes from your Engine Dealer

44. Is a quote for the retrofit device attached? <input type="checkbox"/> YES <input type="checkbox"/> NO
45. Retrofit Device System Cost:
46. Retrofit Device Installation Cost:
47. Amount requested from BAAQMD for this engine retrofit:

⁴ Retrofit projects must use the highest level retrofit technology available that is verified by ARB. For example, the highest level device is a Level 3 PM reduction device that also reduces NOx. The second highest is a Level 3 PM reduction device without NOx reductions. For more information, see <http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>.

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.
 - b. Single Vehicle Owners - a limit of not less than \$750,000 per occurrence.
2. Automobile Liability
3. Automobile Physical Damage Insurance/Comprehensive and Collision (APDI)

Demonstration of APDI for retrofit projects is **not** required at the time of application but will be required at the time payment is requested. If you do not currently carry APDI for this unit, please include a statement saying that you will acquire APDI at the time of payment request.

Part 3: Documentation to be Submitted with Application

Appendix B: Annual Mileage and Fuel Documentation

Please attach documentation to support claim of annual mileage and fuel usage in Part 2, Question 24.

Annual Mileage Documentation

For a retrofit project, please attach documentation to support the annual mileage claim on the application. For example

1. Maintenance receipts from January 2006, 2007, and 2008, all with the odometer reading
2. Three annual State Highway BIT reports with odometer readings
3. Print out from software used to manage fleet mileage

Annual Fuel Usage Documentation

Annual fuel usage documentation is **only** required for projects that applicants wish to be evaluated based on fuel use instead of mileage use.

For a retrofit project, 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.

Part 3: Documentation to be Submitted with Application

Appendix C: Engine Executive Orders

Please attach

1. The Executive Order for the main engine to be retrofitted. This should be available through your engine dealer or on the ARB webpage at <http://www.arb.ca.gov/msprog/onroad/cert/cert.php>.

Part 3: Documentation to be Submitted with Application

Attachment D: Quote for retrofit project

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

- a. Engine family name of the engine to be retrofitted
- b. Retrofit device make
- c. Retrofit device costs of the system and installation costs (separated)
- d. Retrofit device installation labor costs (include estimated number of hours and cost per hour)

Part 4 Application Checklist

Part 1

- Did you sign the application?
- If completed by a Third Party, did the Third Party sign the application?
- Did you make 2 copies of Parts 1 - 3? Each project should have:
 - 2 copies of Part 1, and
 - 2 copies of each Part 2 and
 - 2 copies of all Part 3 attachments for each vehicle submitted that are not duplicate.

Part 2 (complete for each proposed retrofit project)

- Is the Fleet Regulation section completed?
- Did you complete the Impacted Communities section, if applicable?
- Did you include information about the vehicle and existing main engine?
- Did you include information about the retrofit device?

Part 3 Attachments (complete once unless specific to each repower & retrofit request)

Attachment A: Insurance Documentation

- Did you attach Evidence of Coverage showing proof of applicable insurance (General Liability, Automobile Liability, and Automobile Physical Damage Insurance/Comprehensive and Collision)?

Attachment B: Usage Documentation

- Two years of mileage documentation (for example, maintenance receipts from January 2006, 2007, and 2008, all with the odometer reading, for a vehicle that is currently in similar service)
- For fuel-based projects **only**, two years of fuel documentation in gallons (for example, a fuel log in a monthly format for a vehicle that is currently in similar service).

Attachment C: Engine Executive Order(s)

- Executive Order(s) for the existing engine(s)

Attachment D: Quote

- Attach quote for retrofit device as described in Attachment D

Survey Questions

Was this application easy to follow? Yes No

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