

APPENDIX D

OFF-ROAD EQUIPMENT

PROJECT APPLICATION

March 16, 2007

**Carl Moyer Memorial Air Standards Attainment Program
2007 MULTIDISTRICT OFF-ROAD EQUIPMENT PROJECT
APPLICATION**

This application is for incentive funds to offset the incremental cost of reducing emissions from (1) off-road equipment permanently located at a maritime port or rail yard, or (2) off-road construction and agricultural equipment which operates in more than one air district. All projects must be multidistrict projects, achieve emission reductions beyond all regulatory requirements, meet the minimum Carl Moyer Program eligibility criteria described in the January 6, 2006, Carl Moyer Program Guidelines and the 2006 Carl Moyer Program Advisories, and comply with the specific requirements of this solicitation. The 2006 Carl Moyer Program Guidelines and Advisories can be viewed at: <http://www.arb.ca.gov/msprog/moyer/moyer.htm>. Cargo handling equipment at ports is eligible for funding only for emission reductions occurring three years prior to the compliance dates in the ARB Cargo Handling Rule, as stated in Section 2479, Title 13 of the California Code of Regulations. Applicants are referred to Tables 1-3 of the Rule for specific compliance dates.

Applicants are required to submit all items in the checklist on page D-2. Project implementation plans should, at the very least, indicate who will do the work, whether or not they have successfully completed similar projects in a timely manner, and when the work will be completed. Project cost information, including cost-effectiveness calculations, vendor quotes and other documentation substantiating cost data requested in this application must also be provided.

An applicant workshop will be held Friday, March 30, 2007, from 1:00 p.m. to 4:00 p.m. in the Coastal Hearing Room at the Air Resources Board facility located at 1001 I Street, Sacramento, California. Applicants choosing to participate may do so in person or via conference call. The call-in number is (888) 373-3590 and the participant code is 62343. The intent of the workshop is to provide potential project applicants with an opportunity to ask clarifying questions regarding general project requirements and specific technology questions. Written questions submitted before the workshop will be given priority. Questions may be e-mailed to Ms. Grace Garcia at ggarcia@arb.ca.gov, or faxed to Ms. Garcia at (916) 323-2781. Questions may be submitted up to the close of business Friday, March 23, 2007. The questions and answers will be posted on the ARB website no later than Friday, April 6, 2007. Questions asked after the workshop will be answered and posted on the internet on a staff availability basis. Any verbal communication with an ARB employee concerning this solicitation is not binding on the State and shall in no way alter a specification, term or condition of the solicitation.

In accordance with the Guidelines, applicants must disclose if they have applied for or received public financial assistance that reduces the project cost, including tax credits or deductions, grants, or any other public financial assistance given for the vehicles and

engines listed in this application. The applicant must reduce the incremental cost of the project by the amount of any current financial incentive received. Any applicant failing to report additional funding for this project may be banned from future participation in the Carl Moyer Program and be subject to criminal sanctions.

Final project selection will be completed by June 1, 2007, and successful applicants will be notified immediately. Questions regarding the application process should be directed to Ms. Grace Garcia at (916) 323-2781.

CHECK LIST FOR APPLICATION ITEMS

Be sure the following items are included with the application submittal.

- Completed and signed application.
- Project implementation plan (see Appendix I of this multidistrict solicitation).
- Project cost documentation including vendor quotes and other substantiating data to support cost estimates provided in this application.
- Calculations of project cost-effectiveness and emission reductions (see Appendix D of Carl Moyer Program Guidelines).

Eligibility Criteria

To be eligible for funding, projects must meet the criteria described in the 2006 Carl Moyer Program Guidelines and the 2006 Carl Moyer Program Advisories. These criteria include but are not limited to the following:

- Emission reductions obtained through Carl Moyer Program projects must not be required by any federal, state or local regulation, memorandum of agreement/understanding with a regulatory agency, settlement agreement, mitigation requirement, or other legal mandate.
- Projects must meet a cost-effectiveness of \$14,300 per weighed ton of NO_x + ROG + twenty times combustion PM₁₀ reduced, calculated in accordance with the cost-effectiveness methodology discussed in the Guidelines.
- No emission reductions generated by the Carl Moyer Program shall be used as marketable emission reduction credits, or to offset any emission reduction obligation of any person or entity.

- No project funded by the Carl Moyer Program shall be used for credit under any federal or state emission averaging banking and trading program.
- Funded projects must have at least 75 percent of their operation take place in California.
- All engines in new equipment purchases and repower projects must be certified by the ARB for sale in California and must comply with durability and warranty requirements.
- All new equipment purchase projects must have engines certified to an ARB optional NO_x or NO_x+NMHC emission credit standard for off-road diesel engines that is at least 30 percent lower than current applicable emission standards or for some equipment, such as yard tractors, an on-road engine certified to ARB's optional NO_x emission credit standard. Engines that are certified to Family Emission Limit (FEL) levels are not eligible for funding in new equipment purchase projects.

OFF-ROAD HEAVY-DUTY EQUIPMENT APPLICATION

Please print clearly or type all information on this application and on all attachments.

A. APPLICANT INFORMATION

1. Company name/ Organization name/ Individual name:		
2. Business type:		
3. Contact name and title:		
4. Person with contract signing authority (if different from above):		
5. Business mailing address and contact information:		
Street:		
City:	State:	Zip code:
Phone: ()	Fax: ()	
E-mail:		
6. Project address (if different from above):		
7. How many equipment/engines/retrofits are being applied for?		

B. FUNDING DISCLOSURE

1. Have any engines or vehicles listed in this application applied for or have been awarded Carl Moyer Program funding or other grants? <input type="checkbox"/> Yes <input type="checkbox"/> No
2. If "yes", complete the following for each engine or vehicle:
Agency applied to:
Date/Number of Agency Solicitation:
Funding Amount Requested:
Old Engine Serial Number:
Status:

I hereby certify that all information provided in this application and any attachments are true and correct.

Printed Name of Responsible Party:	Title:
Signature of Responsible Party:	Date:

Third Party Certification

I have completed the application, in whole or in part, on behalf of the applicant.

Printed Name of Third Party:	Title:
Signature of Third Party:	Date:
Amount Being Paid for Application Completion in Whole or Part:	Source of funding to 3 rd party:

NOTICE: The ARB is developing a regulation to reduce diesel PM emissions from in-use (existing) off-road vehicles in California. Such vehicles are used in construction, mining, and industrial operations. This regulation may affect eligibility of individual projects selected under the voucher and multi-district programs. The Carl Moyer Program requires that all contracts be fully executed prior to Board approval of any regulation affecting a particular project.

C. VENDOR INFORMATION *or attach business card*

1. Company name:		
2. Contact information: Name:		Title:
Phone: ()		Fax: ()
E-mail:		
3. Mailing address: Street:		
City:	State:	Zip code:

D. PROJECT DESCRIPTION

1. Project name:		
2. Project location: Street:		
City:	State:	Zip code:
3. Total annual hours of operation or gallons of fuel consumed (specify):		
4. Percent Operation in California:		
4. Port or rail yard in which the equipment operates (if any):		
5. Counties in which the equipment operates and percent of total hours or fuel consumption in each:		

E. EXISTING EQUIPMENT INFORMATION

Must be filled out for each piece of equipment requesting funding

1. Equipment Type/Function:		
2. Equipment Make:		
3. Equipment Model:		
4. Equipment Model Year:		
5. Equipment Serial Number:		
6. Number of Main Engines on this Equipment:		
7. Equipment Location:		
Street:		
City:	State:	Zip:
8. Equipment identification number:		
9. Annual usage information: <i>(in hours)</i>		
10. Engine Family: <i>(for controlled engines)</i>		
11. Engine Make:		
12. Engine Model:		
13. Engine Model Year:		
14. Engine Horsepower:		
15. Engine Serial Number:		
16. Engine Fuel Type:		

F. EQUIPMENT REPLACEMENT PROJECTS

1. Projected Date of Purchase of New Equipment :
2. Projected Date of Delivery of New Equipment:
3. New Equipment Make:
4. New Equipment Model:
5. New Equipment Model Year:
6. New Equipment Serial Number: <i>(if available)</i>
7. Number of Main Engines on this Equipment:
8. New Engine Family:
9. New Engine Make:
10. New Engine Model:
11. New Engine Model Year:
12. New Engine Serial Number: <i>(if available)</i>
13. New Engine Horsepower:
14. New Engine Tier:
15. New Equipment Cost:

G. REPOWER PROJECTS (ENGINE REPLACEMENT)

1. Number of Main Engines to be Replaced:	
2. New Engine Family:	
3. New Engine Make:	
4. New Engine Model:	
5. New Engine Model Year:	
6. New Engine Serial Number: <i>(if available)</i>	
7. New Engine Horsepower:	
8. New Engine Tier:	
9. Existing Engine Rebuild Cost:	
10. Replacement Costs:	
10a. Engine Cost:	10b. Installation Cost:

H. RETROFIT PROJECTS

1. Retrofit Device Manufacturer:	
2. Retrofit Device Name:	
3a. Retrofit Device ARB Verification Level:	
3b. ARB – Verified PM Reduction (%):	
3c. ARB – Verified NOx Reduction (%):	
4. Retrofit Device Serial Number: <i>(if available)</i>	
5. Retrofit Device ARB Executive Order Number:	
6a. Cost of Retrofit:	6b. Cost of Installation:
c. Cost of Maintenance for Life of Project (optional):	
7. Has retrofit been verified for the engine? <input type="checkbox"/> Yes <input type="checkbox"/> No	