

January 2010

## AGRICULTURAL STATIONARY and PORTABLE WATER PUMP ENGINES

### Introduction

The Air Pollution Control District (“APCD”) has a program to provide funding to repower or retrofit stationary and dedicated portable water pump engines for agricultural operations with lower-polluting engines or retrofit control devices. For qualifying engines or equipment, the program entails the APCD paying up to a set incremental cost as a percent of the total cost of a new or repowered engine. The equipment owner is responsible for paying all installation costs and some of the engine costs. Replaced engines need to be destroyed or scrapped.

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>

### Complete Application Checklist

- Completed and signed application form
- At least** 2 recent years of engine dedicated hours of operation as documented by engine maintenance records (or may accept copies of fuel receipts on a case-by-case basis)
- An itemized quote (parts and labor) for the installation of the proposed replacement engine and/ or retrofit control device
- Copy of ARB Certification Executive Order for new engine and/or retrofit

### What You Need To Do

If you would like to be considered for participation in this repower program, please fill out the attached application and mail or fax (805-961-8801) it along with the other items listed above to:

<p>Santa Barbara County Air Pollution Control District <b>Attn:</b> Al Ronyecz 260 North San Antonio Road (Suite A) Santa Barbara, CA 93110-1315</p>
--

The submittal of this information does not guarantee approval for funding, but will be used to determine the potential emission reductions and APCD funding contribution associated with the proposed project. Any equipment purchased prior to the execution of an official grant agreement will not be eligible for funding. If you have any questions

regarding this program or the application process, please contact Al Ronyecz by phone at (805) 961-8877, or by e-mail at: [axr@sbcapcd.org](mailto:axr@sbcapcd.org).

**Please fill out one application for each engine or piece of equipment. All information necessary for completing this application is available in the Carl Moyer Program Guidelines. This document can be viewed at <http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm> Please print clearly or type all information on this application.**

### **Eligibility Criteria**

To be eligible for funding, projects must meet the criteria described in the 2008 Carl Moyer Program Guidelines and Carl Moyer Program Advisories. These criteria include but are not limited to the following:

- Existing engine(s) proposed for repower and/or retrofit must be operating in-service at the time of application and operation must be demonstrated during APCD pre-inspection.
- 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 \$16,000 per weighted ton of NO<sub>x</sub> + ROG + twenty times combustion PM<sub>10</sub> 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 vehicle purchases and repower projects must be certified by the ARB for sale in California and must comply with durability and warranty requirements.
- All aftermarket emission controls (retrofits) must be verified by ARB.

## AGRICULTURAL STATIONARY and PORTABLE WATER PUMP ENGINES APPLICATION

### **Funding Disclosure**

Has the engine of vehicle in this application been awarded funding from another public agency or are any being considered for funding?  Yes  No

If "yes", complete the following for each engine or vehicle:

Agency applied to \_\_\_\_\_  
 Date of application submittal \_\_\_\_\_  
 Funding amount requested \_\_\_\_\_  
 Baseline engine serial number \_\_\_\_\_  
 Status of application \_\_\_\_\_

### **A. APPLICANT INFORMATION (required)**

1. Company or organization name:		
2. Business type:		
3. Contact name and title:		
4. Person who filled out funding application:		
5. Person with contract signing authority (if different from above):		
6. Business mailing address and contact information:		
City:	State:	Zip code:
Phone: (    )	Cell: (    )	Fax: (    )
E-mail:		
7. Project address (if different from above):		
8. How many engines are being applied for?		
9. Total funding amount requested for this engine/equipment (Attach copy of quote):		
10. Applicant Social Security No. or Federal Tax ID:		

**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.**

Print name of third party:	Title:
Signature of third party:	Date:
Amount paid to third party:	Source of funding to third party:

**B. EQUIPMENT INFORMATION (required)**

1. Equipment type (portable, stationary, other):		
2a. Equipment make:	b. Equipment model:	c. Equipment model year:
3. Equipment serial number:		
4. Existing baseline equipment fuel:		
5. ARB Certification Executive Order number (attach copy of ARB Executive Order):		
6. New equipment vendor (optional):		

**C. ACTIVITY INFORMATION (required)**

1. Will the new engine have a functioning hour meter for the life of the project?	
2. Existing engine annual hours of operation (or annual gallons of fuel consumed) - circle one: hours or gallons (attach copy of records): 2007 _____ 2008 _____ 2009 _____	
3a. Percent operation in California:	b. Percent operation in SB County:

**D. LOCATION OF PUMP ENGINE**

1. How close is the ag pump engine located to any residential area, school, or hospital? feet –meters – miles (circle one)
2a. Name of nearest school or hospital:
2b. Address of nearest school or hospital:

**E. ADDITIONAL INFORMATION – NEW PURCHASE PROJECTS ONLY**

1a. New electric motor make:	b. New electric motor model:
c. New electric motor serial number:	d. New electric motor family:
e. New electric motor year:	
2. Baseline cost:	
3. New reduced emission equipment cost:	
4. New electric motor vendor (optional):	
5a. New electric motor horsepower (converted from kilowatts):	b. Projected year of purchase of new equipment:

**F. ADDITIONAL INFORMATION – REPOWER PROJECTS ONLY**

1a. Existing engine/motor make:
b. Existing engine/motor model:
c. Existing engine/motor year:
d. Existing engine/motor serial number:
e. Existing engine/motor fuel type:
f. Existing engine/motor horsepower:
g. Existing engine/motor tier:

h. Existing engine/motor family number:
2a. New engine/motor make:
b. New engine/motor model
c. New engine/motor year:
d. New engine/motor serial number (if available):
e. New engine/motor fuel type:
f. New engine/motor horsepower:
g. New engine/motor tier:
h. New engine/motor family number:
i. ARB Certification Executive Order number (attach copy of ARB Executive Order):
3. New reduced emission equipment cost (attach itemized quote):

**G. ADDITIONAL INFORMATION – RETROFIT PROJECTS ONLY**

1. ARB-verified retrofit device:
2. Retrofit device serial number:
3. Existing and newer engine/motor year:
4. ARB-verified NOx reduction (%):
5. ARB-verified PM reduction (%):
6. ARB-verified ROG reduction (%):
7. Retrofit device ARB Executive Order number (attach copy of ARB Executive Order):
8. Verification level: <input type="checkbox"/> LEVEL 1 <input type="checkbox"/> LEVEL 2 <input type="checkbox"/> LEVEL 3
9. Retrofit device cost:
10. Cost of retrofit installation (optional):
11. Cost of retrofit maintenance over life of project (optional):