

**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**HEAVY-DUTY
ENGINE PROGRAM**

AGRICULTURAL PUMP ENGINE COMPONENT

DIESEL TO ALTERNATIVE FUEL ENGINE REPOWER OPTION

ELIGIBILITY CRITERIA AND APPLICATION GUIDELINES

The San Joaquin Valley Air Pollution Control District (SJVAPCD) is currently accepting applications requesting monetary incentives to replace existing agricultural irrigation pump engines (engines) with new alternative fuel engines, according to the terms and conditions described in these guidelines. For additional information, assistance or to receive application materials, please contact:

**San Joaquin Valley Air Pollution Control District
Emission Reduction Incentive Program
1990 East Gettysburg Avenue
Fresno, CA 93726-0244**

You may also contact us by phone or visit our website at:

(559) 230-5800
www.valleyair.org

ELIGIBILITY CRITERIA

Replacement of an existing agricultural irrigation pump engine (engine) with a new alternative fuel engine.

- ❖ The **existing** engine must be:
 - Uncontrolled or emission certified to a Tier 1 or Tier 2 level.
 - Rated at twenty-five (25) horsepower or greater.
 - Located and operated within the SJVAPCD boundaries (see page 11) for a period of at least twelve (12) months prior to the application submission date.
 - Situated at its operating location (on the wellhead or booster trailer) and be in operating condition at the time of application submission **and** SJVAPCD inspection.
 - Operating condition is determined through an inspection process conducted by SJVAPCD staff prior to the agreement execution.
- ❖ The **new** engine must:
 - Be certified by the California Air Resources Board (ARB) for sale in California **or** meet any current state or air district(s) rule or regulation **and** must comply with durability and warranty requirements.
 - Family Emission Limit (FEL) certified engines and any engine used in an Averaging, Banking and Trading (AB&T) Program must receive prior SJVAPCD approval.
 - Be a new Original Equipment Manufacturer (OEM) alternative fuel engine.
 - Include the installation of a verified retrofit device (if applicable).
 - Demonstrate at least a 15% reduction of Nitrogen Oxides (NOx) emissions from the existing engine **and** no net increase of particulate matter (PM) emissions.
 - Devote at least 75% of total operational hours within California **and** at least 25% of operational hours within SJVAPCD boundaries (see page 11).
- ❖ The participant must:
 - Remain the owner of the new engine for the life of the project/agreement. Project life ranges from three (3) to seven (7) years. Projects with a project life less than three (3) years will be considered on a case-by-case basis.
 - If the new engine is sold during the project life, then the new owner of the engine must assume the agreement obligations with the SJVAPCD and comply with the terms and conditions outlined in the original agreement. The SJVAPCD must approve the engine ownership change **prior** to its sale.
 - Maintain replacement value insurance for the new engine through the full term of the agreement.
 - Submit annual reports to the SJVAPCD through the full term of the agreement.
 - Have an **approved** Authority to Construct (ATC) from the SJVAPCD **prior** to project approval, if a permit is required.
 - **Not purchase or install** equipment under funding consideration **prior** to agreement execution.

COMPLIANCE CRITERIA

❖ SJVAPCD Rule 4702 (Internal Combustion Engines – Phase 2)

The June 2005 amendments to Rule 4702 removed the exemption for engines used in agricultural operations. Based on rule requirements, engines greater than 50 horsepower may need to be replaced with certified engines or install pollution control equipment in order to meet outlined emission limits. The requirements of Rule 4702 impact the funding structure of the Emission Reduction Incentive Program, and could have an impact on your submitted project. To obtain a copy of the rule visit the SJVAPCD website at www.valleyair.org or call (559) 230-5800.

❖ ARB's Stationary Diesel Engines Airborne Toxic Control Measure (ATCM)

ARB has adopted an ATCM for stationary compression ignition (CI) engines greater than 50 horsepower. This control measure requires new CI engines for agricultural operations, including those used to repower agricultural equipment, to meet ARB and federal new off-road engine PM certification standards. Visit ARB's website at www.arb.ca.gov to obtain a copy of the Stationary Diesel Engines ATCM.

❖ ARB's Portable Diesel-Fueled Engines ATCM

ARB has adopted an ATCM for portable diesel engines. This control measure requires all diesel-fueled portable engines 50 horsepower and greater to be certified to Tier 1, 2, or 3 federal and state off-road engine emission standards by 2010. The ATCM also requires fleets of portable engines 50 horsepower and greater to meet weighted particulate matter emission standards that become more stringent in 2013, 2017, and 2020. Visit ARB's website at www.arb.ca.gov to obtain a copy of the Portable Diesel Engines ATCM.

APPLICATION GUIDELINES

- ❖ Fill out the application completely and as accurately as possible. Do not leave any required fields blank, as it lengthens the processing timeframe associated with the application and delays funding.
- ❖ All required signatures must be in blue ink, as a way to identify them as an original.
 - If a third party filled out any part or all of the application on your behalf, make sure that the Third Party Signature section is completely filled out and signed.
- ❖ A copy of the following items must accompany the application at the time of submittal in order to be deemed **complete**:
 - Internal Revenue Service (IRS) Request for Taxpayer Identification Number and Certification Form W-9 (Form W-9).
 - The information entered into Section 1 of the application must be **identical** to the information on Form W-9, as this information will be used to generate all binding documents and be used to report incentive funding to the IRS.
 - A copy of the IRS Form W-9 can be downloaded at www.irs.gov or by calling 1-800-829-3676.
 - If your business is a Limited Liability Company (LLC), please follow the instructions found on Form W-9.
 - Applicable ARB Executive Order (EO), in its entirety, for the new alternative fuel engine (if available).
 - Request an EO from your engine dealer, or
 - Retrieve and EO online at www.arb.ca.gov from ARB's website.
 - Itemized engine dealer quote for the new alternative fuel engine, that includes:
 - Date that the quote was generated.
 - Applicant/business name and address.
 - Engine dealer name and address.
 - US Environmental Protection Agency (EPA) certified engine family name for the new reduced-emission engine (if available).
 - Complete and detailed breakdown of all costs: new engine, hardware, labor, and tax.
 - For the tax, please utilize the Ag tax rate.
- ❖ The Supplemental Permit Application Form must be completed and submitted with application. The Supplemental Permit Application Form can be found at the end of the application.

APPLICANT RESOURCE WEB PAGE

To assist applicants participating in the SJVAPCD's Heavy-Duty Engine Emission Reduction Incentive Program, the SJVAPCD has developed an Applicant Resource Web Page. This page contains links to engine manufacturers, distributors and local dealers familiar with the requirements of the program. The information and contacts within these links can assist you in obtaining all of the information necessary to fulfill the requirements of the program. Additionally, this page contains links to the California Air Resources Board website where you can obtain a list of eligible engines, vehicles, associated Executive Orders and other technical information.

When preparing an application, we ask that you utilize the information presented within the links on this page. By submitting complete application packets with accurate information, we can reduce the amount of time and resources necessary to process your application.

Please note that the manufacturers, distributors and dealers represented on this page have not been "approved" by the SJVAPCD nor do they represent an exhaustive list of available resources. If you are an engine manufacturer, distributor, or dealer and you wish to be included on the Applicant Resource Web Page, please contact the SJVAPCD's Emission Reduction Incentive Program.

The Applicant Resource Web Page can be found at www.valleyair.org under the "Grants and Incentives" tab.

STEP-BY-STEP APPLICATION GUIDANCE

This section outlines the information requirements for each field of the application. If you need additional assistance, please contact the Emission Reduction Incentive Program and a staff member will assist you.

SECTION 1 – APPLICANT INFORMATION

1. Organization, Company, or Proprietor's Name

The legal name of the entity that will enter into agreement with the SJVAPCD. The information entered into Section 1 of the application must be **identical** to the information on Form W-9, as this information will be used to generate all binding documents and be used to report incentive funding to the IRS.

2. Business Type

The classification of the entity that appears in the "Organization, Company, or Proprietor's Name" field of the application. Check the appropriate box.

3. Tax ID

Taxpayer Identification Number (TIN) entered in Form W-9, in the form of an employer identification number or a social security number. **The organization's name and TIN will be used to report incentive funding to the IRS.** The SJVAPCD cannot give tax advice, as such, please contact a tax professional or the IRS to determine the tax consequences associated with receiving incentive funding.

4. - 7. Address

The physical address where the organization is located, including: number and street name, city, state and zip code.

8. - 11. Mailing Address

The mailing address used by the organization. If the physical and mailing address are the same, simply write "Same." All correspondence generated by the SJVAPCD, including the agreement, checks, and annual reports, will be sent to the mailing address.

12. Number of Engine to be Purchased

Provide the total number of engines to be purchased as part of this project.

13. First and Last Name

The first and last name of the person that will serve as the primary contact to the SJVAPCD through the project/agreement life. All questions related to your project will go to this individual.

14. Title

Job title of the primary contact.

15. Phone Number

The main phone number, including area code, for the primary contact.

16. Fax Number

Fax number, including area code, for the primary contact.

17. **Alternate Contact Numbers**
Alternate phone numbers, including area code, where the primary contact can be reached.
18. **Email**
Email address of the primary contact.
19. **First and Last Name**
The first and last name, of the person to enter into a binding agreement with the SJVAPCD, who has agreement signing authority on behalf of the organization.
20. **Title**
Agreement signing authority's Job title.

SECTION 2 – ACTIVITY INFORMATION

1. - 3. **Engine Address**
Physical location of the engine, either as a street address or by major cross streets, along with city and zip code.
4. **Well Site/Pump #**
Identify the pump location by well site name or pump number.
5. **County**
Check in which county or counties the engine will be used.
6. **Primary Function of Engine**
Check the primary function of the engine. If the engine is not used for crop irrigation, provide an explanation of its function.
7. **Engine Type**
Check the type (stationary, portable, or other) of the engine.
8. **Estimated Annual Operation (in hours)**
Provide an estimate of the engine's total annual hours of operation.
9. **Estimated Annual Fuel Usage**
Provide an estimate of the engine's annual fuel usage; include unit type (example gallons, therms, etc.).
10. **Is the Engine Used Seasonally?**
Check whether or not the engine is used seasonally. If the engine is used seasonally, provide an example.
11. **Percentage Use in SJVAPCD**
Percentage of total annual hours of operation that occur within the SJVAPCD boundaries (see page 11).

12. Percentage Use in California

Percentage of total annual hours of operation that occur within California.

13. Has the Project Applied for Co-funds?

Check whether or not this project has applied for co-funding. If yes, provide the name of the agency reviewing the project for possible funding.

14. Is this Engine operational?

Check whether or not the engine is currently operational. Non-operational engines are ineligible for funding. The engine must be operational at the time of inspection.

15. When would this Engine be available for operational inspection?

Check the time(s) and day(s) the engine would be available for inspection by SJVAPCD staff. This information may be used for scheduling purposes, however it does not guarantee your inspection on a specific day or time. SJVAPCD staff will contact you to set up an inspection appointment.

SECTION 3 – EQUIPMENT INFORMATION**CURRENT ENGINE****1. - 2. Engine Make and Model**

The make is the manufacturer of the engine, and the model is the type of engine. For example, Cummins (make) 6BTA5.9C (model).

3. Model Year

The year that the engine model was manufactured.

4. Horsepower Rating

The intermittent (maximum) brake horsepower rating (not continuous) of the engine.

5. Serial Number

The serial number listed on the engine.

6. EPA-Certified Engine Family Name (If Applicable)

The certified engine family name assigned by EPA. This information should be available through your engine dealer.

7. Engine Tier

The tier emission level of the engine.

NEW ALTERNATIVE FUEL ENGINE**1. - 2. Engine Make and Model**

The make is the manufacturer of the engine, and the model is the type of engine. For example, Cummins (make) GTA8.3C (model).

3. **Model Year**
The year that the engine model was manufactured.
4. **Horsepower Rating**
The horsepower rating of the engine.
5. **Fuel Type**
The fuel type of the new alternative fuel engine being purchased. If other is chosen, please specify.
6. **EPA-Certified Engine Family Name (If Applicable)**
The certified engine family name assigned by EPA. This information should be available through your engine dealer.
7. **Cost of New Engine**
The total cost of the new alternative fuel engine. The cost includes: new engine, hardware, labor, and tax.

SECTION 4 – ENGINE DEALER/INSTALLER INFORMATION

1. **Engine Dealer Name**
Name of the business where you will be purchasing the new alternative fuel engine associated with this application.
2. - 5. **Address**
The physical address where the engine dealer is located, including: number and street name, city, state and zip code.
6. **Contact Name**
First and last name of the person the SJVAPCD can contact regarding the purchase of the new alternative fuel engine.
7. **Phone Number**
Phone number, including area code, of the contact person.
8. **Fax Number**
Fax number, including area code, of the contact person.
9. **Engine Installer Name (if different from dealer)**
Name of the business who will be installing the new alternative fuel engine associated with this project, if different from engine dealer information.
10. - 13. **Address**
The physical address where the engine installer is located, including: number and street name, city, state and zip code.

14. Contact Name

First and last name of the person the SJVAPCD can contact regarding the installation of the new alternative fuel engine.

15. Phone Number

Phone number, including area code, of the contact person.

16. Fax Number

Fax number, including area code, of the contact person.

MAP OF THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT BOUNDARIES

