



AGRICULTURAL IRRIGATION PUMP ENGINES

What is the Program?

The San Joaquin Valley Air Pollution Control District (SJVAPCD) **will pay you** to reduce emissions from your stationary agricultural irrigation pump engines. If you have an old agricultural pump engine of at least fifty (50) horsepower that needs to be rebuilt or replaced, the SJVAPCD may give you money to retrofit your engine or repower (replace) your existing engine with a new, cleaner burning engine or an electric motor. The SJVAPCD is providing incentives to anyone interested in the purchase of:

- ▲ New electric agricultural pump motors on new wells
- ▲ New agricultural irrigation pump engines or motors for replacement of existing diesel engines (repowers)
- ▲ Certified and/or verified reduced-emission retrofit technologies



Why is the SJVAPCD Offering These Incentives?

The purpose of the Heavy-Duty Engine Emission Reduction Incentive Program (Heavy-Duty Engine Program) is to assist the SJVAPCD in achieving air quality standards by the early introduction of reduced-emission technologies. The widespread use of lower emitting agricultural engines or motors can provide significant improvements to air quality in the San Joaquin Valley. When you retrofit your existing engine or buy a new low-emission engine or motor, you will contribute to cleaner air for everyone in the Valley.

How Much Money Can I Get?

Since the funding is intended to decrease the expense associated with the purchase of cleaner technologies, the amount of money you can receive will depend on two factors. The eligible incentive amount for a repower project will be the new engine or motor cost minus the rebuild cost. The total incentive provided by the SJVAPCD will not exceed the value of \$6.80 per pound (\$13,600 per ton) of nitrogen oxide emissions (NOx) reduced. In addition, projects are subject to maximum funding caps shown at right.

Engine hp	Maximum Incentive
50 - 99	\$5,000
100 - 174	\$10,000
175 - 299	\$15,000
300 - 499	\$20,000
500+	\$25,000

How Do I Know If I Am Eligible For Funding?

Anyone may apply to receive an incentive under this program. Funds are available for eligible new engines, engine replacements and/or engine retrofits that meet specific program criteria. The criteria for eligible engines/retrofit technology are as follows:

- ▲ The engine must be fifty (50) horsepower or greater (equal to 37 kW for an electric motor).
- ▲ The reduced-emission engine/retrofit technology must:
 - Be certified/verified for sale in California, and
 - Show at least a 30% (new purchase on new well) or 15% (repower or retrofit) reduction of NOx emissions and no increase in particulate emissions compared to the applicable standards for that engine year and type of application through:
 - California Air Resources Board (ARB) certification/verification testing,
 - U.S. Environmental Protection Agency (U.S. EPA) certification testing, or
 - Emission testing at a laboratory approved by U.S. EPA or ARB.
- ▲ The purchase or emission reductions are not required by, or used to comply with, any local, state, or federal rule or regulation, Memorandum of Understanding (MOU) or Memorandum of Agreement (MOA).



What's the Catch?

There is no catch. We're paying you to help us clean up the air. However, to achieve this goal, your agricultural pump engine has to operate in the San Joaquin Valley. For us to make sure this happens, we'll need the following from you:

- ▲ Assurance that the engine will be based within the SJVAPCD (see map at right).
- ▲ 75% or more of the fuel consumed or hours of operation will be within the boundaries of the SJVAPCD for at least 5 years from the date the new engine or motor is placed into service. If the engine does not complete the minimum 5-year term set forth in this program, a prorated portion of the funds must be returned to the SJVAPCD.
- ▲ Simple annual reports will be required for 5 years from the beginning of engine operation with the new technology. The reports shall include such information as fuel consumed, hours of operation and details regarding maintenance. These reports help us know that we are indeed improving air quality with valuable tax dollars.



How Do I Apply?

Applications will be evaluated and approved on a **first-come, first-serve basis** until program funds are exhausted. The process is as follows:

1. Send an application to the SJVAPCD. The application will require contact information and descriptions of the replacement vehicle/technology and operations.
2. SJVAPCD staff reviews the application to determine eligibility. You will be notified if more information is needed.
3. If the application meets minimum criteria, an incentive amount will be determined for the proposed vehicle/technology.
4. Applicants will be notified of application approval or denial. Upon approval of the application, the SJVAPCD will prepare a simple contract for signature by the applicant and SJVAPCD.
5. The applicant orders and places the reduced-emission technology into service within 1 year of contract execution.
6. The applicant submits equipment invoice, receipts, and SJVAPCD Claim(s) for Payment form. The SJVAPCD issues payment upon verification that the vehicle has been placed into service.
7. As mentioned above, the applicant will submit simple annual reports. The SJVAPCD maintains the right to monitor the project periodically to ensure emission reductions are occurring.

Where Do I Get an Application?

You can receive an application by calling the SJVAPCD at (559) 230-5858. For general information about the program, you can call (559) 230-5800 or visit the SJVAPCD website at www.valleyair.org.