



## AGRICULTURAL IRRIGATION PUMP ENGINES

### What is the Program?

The Tehama County Air Pollution Control District (TCAPCD) **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 TCAPCD 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 TCAPCD 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 TCAPCD Offering These Incentives?

The purpose of the Heavy-Duty Engine Emission Reduction Incentive Program (Heavy-Duty Engine Program) is to assist the TCAPCD 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 improvements to air quality in Tehama County. 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 County.

### 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 TCAPCD 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 or Memorandum of Agreement.

### **What's the Catch?**

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

- ◆ Operation will be within the boundaries of the TCAPCD 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 TCAPCD.
- ◆ 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.

### **How Do I Apply?**

Applications will be ranked based on NOx emission reduction cost-effectiveness. The major emphasis will be on providing incentive funds for most cost-effective projects. Projects will be funded starting with the most cost-effective to the least cost-effective projects during the initial application process. In the event that applications are submitted on the same day and rank the same for cost-effectiveness, projects will be funded in the order that they were received until funds are exhausted. If there are any funds left over after the initial application process, projects will be funded on a first-come, first-serve basis to all applications that meet the criteria and requirements, while program funds are available.

The process is as follows.

1. Send an application to the TCAPCD. The application will require contact information and descriptions of the replacement engine/technology and operations.
2. TCAPCD 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 engine/technology.
4. Applicants will be notified of application approval or denial. Upon approval of the application, the TCAPCD will prepare a simple contract for signature by the applicant and TCAPCD.
5. The applicant orders and places the reduced-emission technology into service within six (6) months of contract execution.
6. The applicant submits copy of vendor's invoice and invoices the TCAPCD for Payment. The TCAPCD issues payment upon verification that the engine or the reduced-emission retrofit technologies has been placed into service. As mentioned above, the applicant will submit simple annual reports. The TCAPCD maintains the right to monitor the project periodically to ensure emission reductions are occurring.

### **Where Do I Get an Application?**

For general information about the program or to request an application you can call (530) 527-3717 or visit the TCAPCD website at [www.tehcoapcd.net](http://www.tehcoapcd.net).

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