AGRICULTURAL PUMP ENGINE COMPONENT HEAVY-DUTY ENGINE EMISSION REDUCTION INCENTIVE PROGRAM

GUIDELINES, POLICIES, AND PROCEDURES

SECTION I

The San Joaquin Valley Air Pollution Control District (SJVAPCD) is seeking applications to reduce emissions from stationary agricultural irrigation pump engines, according to the terms and conditions described in these guidelines.

The purpose of the Heavy-Duty Engine Incentive Program (Heavy-Duty Engine Program) is to assist the SJVAPCD in attaining federal and state air quality standards by encouraging the early introduction of heavy-duty reduced-emission engine technologies. The widespread use of lower emitting heavy-duty engine technologies can provide significant improvements to air quality in the San Joaquin Valley. The Heavy-Duty Engine Program has been augmented by the inclusion of agricultural irrigation pump engines of at least fifty (50) horsepower, which will provide additional cost-effective emission reductions.

The SJVAPCD is providing incentives for the purchase of:

- New electric agricultural pump engines on new wells.
- New, current model year, certified, reduced-emission agricultural pump engines for replacement of existing diesel engines (repowers).
- Reduced-emission retrofit technologies (certified/verified).

The Heavy-Duty Engine Program provides incentive funds toward the purchase of reduced-emission engine technologies. Funds are available for eligible engine replacements and/or engine retrofits that meet specific program criteria on a first-come, first-serve basis until the program funds are exhausted.

These guidelines describe the policies and procedures of the Agricultural Pump Engine Component of the Heavy-Duty Engine Program. For application materials only, please call or browse our website:

(559) 230-5858 www.valleyair.org

For further information please contact:

San Joaquin Valley Air Pollution Control District 1990 E. Gettysburg Ave. Fresno, CA 93726-0244 (559) 230-5800

SECTION II BACKGROUND

The SJVAPCD is comprised of eight (8) counties: San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, and the San Joaquin Valley portion of Kern. The SJVAPCD does not meet the health based National Ambient Air Quality Standards (NAAQS) for ozone and particulate matter ten (10) microns or less in diameter (PM-10), and is required to implement strategies that will result in emissions reductions. Nitrogen oxides (NOx) are an important factor in the formation of ozone and secondary PM-10. Heavy-duty diesel engines are a significant source category that provides an opportunity to pursue cost-effective emission reductions.

SECTION III ELIGIBLE PARTICIPANTS AND ENGINES

ny individual, company or public agency may apply to receive an incentive under this program.

This program is fuel neutral, and is designed to encourage the purchase of reducedemission agricultural irrigation pump engines which may be powered by diesel or alternative fuels, such as: natural gas, liquefied petroleum gas or electricity. Fueling infrastructure is not eligible for funding and will not be considered under this program.

Criteria for **Existing Engines to be Replaced**:

- The existing agricultural pump engine being replaced must be fifty (50) horsepower (hp) or greater.
- The existing agricultural pump engine being replaced must be operated on diesel fuel.
 No engines operated on gasoline, natural gas, propane, electricity or any other fuel type are eligible to be replaced (repowered) under this program.
- The existing agricultural pump engine being replaced must be owned by the applicant and operated within the SJVAPCD boundaries for a period of at least twelve (12) months prior to the application submission date.
- The existing agricultural pump engine being replaced must be currently operational (able to pump water) and situated at the location of operation (on the wellhead) or booster trailer at the time of application submission and SJVAPCD inspection.

Criteria for New Replacement Engines:

- The new replacement engine must be <u>certified</u> by the California Air Resources Board (ARB) for sale in California. See below for specific certification criteria.
- The new replacement engine must be a new OEM, current model year off-road engine certified to current model year standards.

- The new replacement engine must show at least a 15% reduction of NOx emissions from the existing engine and no net increase of particulate matter (PM) emissions.
- The new replacement engine must comply with ARB durability and warranty requirements.
- The purchase of the new replacement engine must not be required by any local, state, or federal rule or regulation, or used to comply with any such rule or regulation.
- The purchase and/or emission reduction must not be required by any local, state or federal Memorandum of Understanding (MOU) or Memorandum of Agreement (MOA) or be used to generate, bank, or trade Emission Reduction Credits (ERCs).

Existing Pre-1996 Engines (1995 and older)

Diesel Replacement Engine (50-99 hp)

- ♠ If you have an existing pre-1996 model year engine rated from 50 hp to 99 hp, the replacement diesel engine must be a new, current model year engine certified to the applicable Off-Road NOx emission standard. Currently, the NOx emission standard for engines rated from 50 hp to 99 hp is 6.9 g/bhp-hr. The 6.9 g/bhp-hr emission level is considered the Tier I standard for this horsepower category.
- Beginning January 1, 2004, the NOx emission standard for engines rated from 50 hp to 99 hp will change from 6.9 g/bhp-hr NOx to 5.6 g/bhp-hr NOx + NMHC. The 5.6 g/bhp-hr emission level is considered the Tier II standard for this horsepower category. The replacement engines for this horsepower category submitted on applications on or after January 1, 2004 must be certified to the Tier II standard (5.6 g/bhp-hr NOx + NMHC). Additionally, the replacement engine for applications submitted prior to December 31, 2003 but are not yet under contract by the aforementioned date must be certified to Tier II standards.

Diesel Replacement Engine (100-749 hp)

◆ If you currently have an existing pre-1996 model year engine between 100 hp and 749 hp, the replacement diesel engine must be a new, current model year engine certified to the ARB Tier II emission standard. The Tier II standard varies by horsepower category but generally ranges from 4.8 to 4.9 g/bhp-hr NOX + NMHC.

Diesel Replacement Engine (750 hp or greater)

 If you currently have an existing pre-1996 model year engine 750 hp or greater, the replacement diesel engine must be a new, current model year engine certified by the ARB to 6.9 g/bhp-hr NOx (Tier I).

Spark-Ignited Replacement Engine (50 hp or greater)

◆ If you currently have an existing pre-1996 model year diesel engine 50 hp or greater, the replacement engine may be a new, current model year, ARB certified spark-ignited engine (natural gas, propane, etc.) that meets the current applicable diesel emission standard for Off-Road engines. However, spark ignited engines must undergo applicable ARB certification testing to verify emission levels and are subject to maximum funding levels outlined on Page 11.

Electric Replacement Motor (50 hp or greater)

◆ If you currently have an existing pre-1996 model year diesel engine 50 hp or greater, the replacement engine may be a new, current model year electric motor.

Existing Post-1996 Engines (1996 or newer)

If you currently have an existing post-1996 model year diesel engine 50 hp or greater, the replacement engine <u>must</u> be a new, current model year electric motor. Existing post-1996 model year diesel engines <u>may not</u> be replaced with a diesel engine.

Electric Motors on New Wells:

- If you have recently drilled a new irrigation well, the SJVAPCD may assist in the purchase of a new electric pump motor.
- ◆ The electric motor must be a current model year electric motor greater than 37 kilowatts (50 hp equivalent).
- ◆ Funding assistance with electric motor projects may include selected peripheral equipment (e.g. control panel, motor leads, etc.). Funding for other peripheral equipment will be at the discretion of the SJVAPCD.

Ineligible Engines/Project Types

 The replacement/repower of an engine that results in an increase in particulate matter (PM) emissions is not eligible.

- Rental or leased engines are not eligible for replacement/repower.
- Engines used as generators are not eligible for replacement/repower.
- Engines not operational at the time of application submission are not eligible for replacement/repower.

In all diesel engine replacement/repower projects, the replacement engine must be a new, current model year OEM off-road engine certified to the current applicable emission standard.

Applicants must obtain approval and have a signed, executed contract from the SJVAPCD prior to purchase and installation of an engine. Any engine purchased and installed prior to contract execution is ineligible. Note: The SJVAPCD Heavy-Duty Engine Program is not a rebate program.

Criteria for Purchase of Retrofit Technology:

- The retrofit technology must be certified or verified by ARB for sale in California.
- The retrofit technology must show at least a 15% reduction of NOx emissions from the existing engine and no net increase of particulate matter (PM) emissions.
- The retrofit technology must comply with ARB durability and warranty requirements.
- The purchase and/or emission reduction cannot be required by any local, state or federal Memorandum of Understanding (MOU) or Memorandum of Agreement (MOA) or be used to generate, bank or trade Emission Reduction Credits (ERCs).

SECTION IV PROGRAM REQUIREMENTS

n addition to the above engine/technology criteria, the following elements are set forth as program requirements:

- The agricultural pump engine must be located within the geographic area of the SJVAPCD (See map in Section λ).
- Simple annual reports will be required for five (5) years from the date of the new engine/retrofit installation. The reports shall include such information as fuel consumption and or energy usage, hours of operation, and details regarding maintenance. If the engine does not complete the minimum five (5) year term set forth in this program, a pro-rated portion of the funds must be returned to the SJVAPCD (e.g. if engine is sold, stolen, or damaged in an accident).

- The incentive amount will be based on the amount of NOx emissions reduced by purchasing the new reduced-emission technology engine as compared to the emission standard of the existing un-controlled engine. A mandatory minimum outof-pocket expense is required based on an estimated rebuild cost for the existing engine.
- Purchaser agrees that any emission reductions associated with this program will be claimed and retired by the SJVAPCD in the interest of air quality improvement for the residents of the San Joaquin Valley. Purchaser waives, for all time, the right to claim emission reduction credits which may accrue at any time as a result of this program, and agrees not to apply to the SJVAPCD or any other agency for such credits.
- Evidence of applicable insurance coverage must be provided prior to reimbursement by the SJVAPCD.

Criteria and requirements may be reviewed, as new information becomes available, and can be revised at the discretion of the Executive Director/Air Pollution Control Officer as needed.

SECTION V PROGRAM PROCEDURES

The application and program participation process is as follows (under normal circumstances):

- Application is submitted to the SJVAPCD. Applications may be submitted by mail or hand delivery. NO FAXES WILL BE ACCEPTED. Faxed applications will not be processed.
- 2. The application is reviewed by the SJVAPCD for completeness within five (5) working days of receipt of the application. If the application is incomplete, it will be returned to the applicant with a description of areas in which the application is inadequate. Any application that is not returned with the requested information within fourteen (14) calendar days for processing is rendered null and void, and resubmittal is required.
- 3. Complete applications will be reviewed to determine that program criteria and requirements have been met. The incentive will not exceed the cost-effectiveness value of up to \$6.80 per pound (\$13,600 per ton) of NOx emissions reduced, or the maximum incentive limits based on horsepower rating.
- 4. Existing (old) engines will be pre-inspected by the SJVAPCD to verify that the existing agricultural pump engine being replaced is operational (able to pump water) and situated at the location of operation (on the wellhead).
- Upon approval of the application, the SJVAPCD will prepare a simple contract for signature by the applicant and the SJVAPCD. The entire process may take 6-12 months to complete.

- 6. Funds will be awarded on a first-come, first-serve basis to all applications that meet the criteria and requirements, while program funds are available. In the event that proposals are submitted on the same day, proposals will be funded in the order of the best overall cost-effectiveness until funds are exhausted.
- 7. Applicant orders and places the reduced-emission technology into service within one (1) year of contract execution.
- 8. Applicant submits equipment invoice, receipts, and SJVAPCD Claim(s) for Payment. The SJVAPCD will review the information for compliance with all contract requirements. Additionally, the Applicant and their engine dealer must verify that the existing (old) engine is permanently removed from operation in California by one of the following methods:
 - Applicant and their engine dealer may permanently disable the engine by punching at least a five (5) inch diameter hole through the engine block above the oil pan.
 - Applicant and their engine dealer may also crush the engine and provide written verification such as a receipt from a scrap metal recycling operation.
- 9. Payment will be issued within thirty (30) days of verification (SJVAPCD site visit) that the replacement (new) engine is installed and operating, and the existing (old) engine has been permanently disabled.
- 10. Applicant submits simple annual reports. The SJVAPCD and interested state and federal agencies maintain the right to monitor the project periodically.

SECTION VI APPLICATION REQUIREMENTS

The applicant must provide information about each engine. The following information will be required when completing the agricultural pump engine component application. Additional information may be requested during the review process if needed.

Applicant Information

- Organization name, address, person with contract signing authority, contact name, office/cell phone, fax, and number of existing engines.
- The geographic area where the engine will be located. Seventy-five percent (75%) of the engine fuel consumption, energy usage or hours of operation must occur within the SJVAPCD for at least five (5) years from the beginning of engine operation with the reduced-emission technology.

Engine Information

- The number of engines to be purchased, repowered, and/or retrofitted.
- Types of fuel currently being used and proposed to be used.
- Type of activity for which the engine will be used.
- Estimated hours of operation, and fuel consumption (or energy usage) per year for each engine.
- The specific engine manufacturer, model number, EPA engine family, and year. For retrofits, the retrofit manufacturer and kit number.
- Manufacturer's **intermittent** (or maximum) brake horsepower rating (not continuous).
- Engine serial number for repowers and retrofits only.
- Estimated engine life and replacement schedule.
- Rebuild cost of existing engine for repower and retrofit projects.
- Cost of the engine repower or retrofit and installation. Ineligible costs include gear heads, drivelines, fueling infrastructure, and peripheral equipment not necessary for engine operation.
- Self-installation costs are ineligible. The SJVAPCD defines self-installation as an individual or company that is an owner, partner, stakeholder, or holds a financial interest in both companies.
- Costs associated with the engine installation performed by a licensed business engaged in the practice of purchasing, selling, repairing and installing heavy-duty engines may be eligible for reimbursement at the discretion of the SJVAPCD. It is the responsibility of the applicant to ensure that the engine installer of their choice meets the above qualifications. The SJVAPCD may require proof that the installer meets these minimum qualifications.
- The ARB certified emission level(s) in g/bhp-hr (see pages 3 and 4).
- Identify the engine or retrofit technology dealer/installer. If the installer is different than the dealer, list this information separately. If the installer is different than the engine dealer, the applicant must have SJVAPCD approval prior to funding determination.

Maintenance

 Describe your maintenance facility and practices, including any special training required for the reduced-emission technology. If the training has not been completed, provide a time line for completion.

Refueling Arrangements (Alternative Fuels Only)

 If the application is for an alternative fuel engine, describe fully how the engine will be refueled. Provide verification that the engines will have access to a refueling facility, delivery service or has access to electrical service.

SECTION VII CONTRACT REQUIREMENTS

Those projects that receive funding must enter into explicit contracts with the SJVAPCD setting forth specific performance criteria to ensure compliance with statute and audit requirements.

Contract preparation will begin immediately upon SJVAPCD approval of a project. The reduced-emission technology must be put into service within one (1) year from the date of contract execution.

The SJVAPCD reserves the right to reduce the incentive amount if it is determined that the actual costs paid by the applicant are less than the costs indicated on the application. Incentive awards are based on costs for parts and labor necessary for engine replacement or retrofit. The SJVAPCD reserves the right to disallow certain ineligible costs submitted on the Claim for Payment and thereby reduce the incentive amount. Additionally, no 3rd party consulting fees or grant preparation fees are eligible for funding. A determination of cost eligibility will be at the sole discretion of the SJVAPCD.

The contract will require the applicant to perform adequate record keeping allowing the SJVAPCD to take credit for the emission reductions resulting from the project. It will also include reporting requirements by the applicant. Contract monitoring will be performed by the SJVAPCD and/or other interested state and federal agencies on a periodic basis. Additionally, the SJVAPCD reserves the right to conduct a fiscal audit to ensure appropriate expenditure of funds.

SECTION VIII CLAIM REQUIREMENTS

rior to receiving any funds, the grantee must provide the SJVAPCD with the following documents:

SJVAPCD Claim For Payment form. List the engines purchased from the invoice(s), purchase price of the engine(s), and incentive amounts for each engine. The signing authority must be the person authorized in the contract as the person who can act on all fiscal matters on behalf of the funded agency or entity. Please include your project/contract number on all information submitted.

- 2. **Proof of Purchase**. Submit to the SJVAPCD the invoice(s) showing the purchase date of the engine(s), including any additional equipment, parts, and labor involved with the engine repower or retrofit.
- 3. **SJVAPCD Old Engine Status form**. Submit to the SJVAPCD the form showing the engine serial number and disposition of the engine that has been disabled.
- 4. **Verification of all insurance requirements identified in the contract**. If self-insured, a letter from a risk manager or the like will be acceptable.

All projects will be reimbursed only for work completed, as project costs are incurred, documented, and verified. Any costs claimed for non-essential engine parts or labor will be deducted from the overall project cost. Labor charges for self-installations are ineligible.

SECTION IX INCENTIVE LEVELS

Stationary agricultural engine repower projects are subject to a maximum grant amount awarded, based on the horsepower category of the engine. Table 1 lists the maximum grant amount allowed for each horsepower category. Repowering projects will be subject to the cost-effectiveness criterion of \$6.80 per pound of NOx emissions reduced, as well as other criteria presented in this guideline. A mandatory minimum out-of-pocket expense is required equal the estimated rebuild cost for the existing engine.

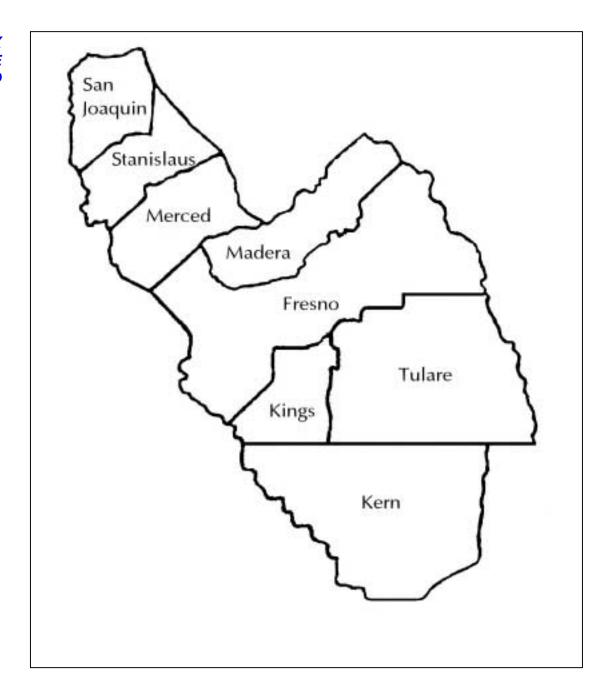
Table 1

Maximum Grant Award for Agricultural irrigation Pump Engine Repower Projects

Horsepower	Maximum Incentive	Default Rebuild Cost
Category	(dollars per repower)	
50 – 99	\$5,000	\$2,000
100 – 174	\$10,000	\$3,000
175 – 299	\$15,000	\$4,000
300 – 499	\$20,000	\$5,000
500 and greater	\$25,000	\$6,000

In all instances, the maximum incentive amount is based on the lower horsepower (hp) category when comparing the existing engine hp to the replacement engine hp. For example, if the existing engine is rated at 97 hp, within the 50 - 99 hp category (\$5,000 maximum incentive) and the replacement engine is rated at 104 hp, within the 100 – 174 hp category (\$10,000 maximum incentive), the maximum incentive for the project will be based on the lower of the two horsepower categories or \$5,000 maximum incentive. Engine horsepower is determined by the manufacturer's intermittent (or maximum) rated horsepower (not continuous).

SECTION X MAP OF THE SJVAPCD



AGRICULTURAL PUMP ENGINE COMPONENT HEAVY-DUTY ENGINE EMISSION REDUCTION INCENTIVE PROGRAM

APPLICATION

Application to the San Joaquin Valley Air Pollution Control District (SJVAPCD) for incentive funds for the repower or retrofit of existing stationary agricultural irrigation pump engines of at least fifty (50) horsepower, with reduced-emission technologies.

Please provide the following information regarding your proposed purchase and application. Additional information may be requested during the review process if needed. Applicant acknowledges that award of cash incentive is conditional upon approval of the SJVAPCD and must meet the minimum eligibility criteria.

The applicant will be informed as to whether or not the application meets the minimum qualifications. If the application does not meet the minimum qualifications, the SJVAPCD will provide the applicant with a list of deficiencies. If you have any questions regarding the application process, please contact the SJVAPCD central region office:

Central Region Office Fresno (559) 230-5800

Submit applications to the following location **ONLY**:

San Joaquin Valley Air Pollution Control District 1990 E. Gettysburg Avenue Fresno, CA 93726-0244

✓ <u>CHECK LIST FOR APPLICATION ITEMS</u> ✓

Be sure the following items are included with your application submittal. Check each <u>applicable</u> box below to indicate inclusion of material.

☐ Completed Applicant Information Form
☐ Letter of Agreement from Alternative Fuel Provider or Utility Company (if applicable)
☐ Detailed Estimate from Engine Dealer (Specifically identify all costs including parts and labor)
Other

✓ CHECK LIST FOR ELIGIBILITY CRITERIA ✓

Please check each applicable box:
Existing Engine(s):
☐ The existing agricultural pump engine being replaced is fifty (50) horsepower or greater.
☐ The existing agricultural pump engine being replaced is operated on diesel fuel.
☐ The existing agricultural pump engine being replaced has been owned by the applicant and operated within the boundaries of the SJVAPCD for a period of at least twelve (12) months prior to the submission of this application.
☐ The existing agricultural pump engine being replaced is currently operational (able to pump water) and situated at the location of operation (on the wellhead) or booster trailer at the time of application submission and SJVAPCD inspection.
☐ The existing agricultural pump engine being replaced has not already been replaced by any other, District, local, state or Federal program.
New Engine(s):
IT IS THE APPLICANT'S RESPONSIBILITY TO ENSURE THAT NEW REPLACEMENT ENGINES CONFORM TO THE SPECIFIC CRITERIA OUTLINED ON PAGES 3 AND 4 OF THE ATTACHED <u>GUIDELINES</u> , <u>POLICIES AND PROCEDURES</u> DOCUMENT.
☐ The new replacement engine must be certified by the California Air Resources Board for sale in California.
The new replacement engine must be certified to the appropriate emission level, based on horsepower category. Please refer to pages 3 and 4 of the attached <u>Guidelines</u> , <u>Policies and Procedures</u> document.
☐ The new replacement engine must be a new OEM, current model year engine certified to current model year standards.
☐ The new replacement engine must show at least a 15% reduction of NOx emissions from the existing engine <u>and</u> no net increase in PM emissions.
☐ The new replacement engine must comply with ARB durability and warranty requirements.

Agricultural Pump Engine Component of the	e Heavy-Duty Engine Program
	Application

The purchase of the new replacement engine must not be required by any local, state, or federal rule or regulation, used to comply with any such rule or regulation or be used to generate, bank or trade Emission Reduction Credits (ERCs).
The purchase and/or emission reduction must not be required by any local, state or federal Memorandum of Understanding (MOU) or Memorandum of Agreement (MOA).
Seventy-five percent (75%) or more of the hours of operation of the new, replacement engine must be within the boundaries of the SJVAPCD, for at least five (5) years from the date the new engine is placed into service.

Applicants must obtain approval and have a signed, executed contract from the SJVAPCD prior to purchase and installation of an engine. Any engine purchased and installed prior to contract execution is ineligible. Note: The SJVAPCD Heavy-Duty Engine Program is <u>not a rebate program</u>.

AGRICULTURAL PUMP ENGINE APPLICATION

A. APPLICANT INFORMATION		
Organization/Company name:		
Business type (Corporation, Partnership, Sole Propri	etorship, Governme	ent, etc.):
Contact name and title (Engine Dealers may not be	listed as the cont	tact):
Person with contract signing authority:		
Street/mailing address:		
City:	State:	Zip code:
Phone: ()	Fax: ()
Cell phone: ()	E-mail:	
Geographic area served by organization:		
	 	1.00
Geographic area where reduced-emission agricultura	ai pump engines wi	iii be piaced (if different than above):
Number of agricultural pump engines:		
Number of agricultural pump engines to be replaced/retrofitted:		
I hereby certify that all information provided in this application and any attachments are true and correct to		
the best of my knowledge, and that I have read the separate Guidelines, Policies and Procedures document for this program component.		
Printed Name of Contract Signing Authority: Title:		
Signature of Contract Signing Authority: (Must sign in BLUE INK ONLY)	Date:	
, J		

ENGINE REPOWER/RETROFIT APPLICATION SECTION

P	leas	e ch	eck	one:
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Repowering an existing agricultural pump engine with a new reduced-emission engine (replacement).
Retrofitting an existing agricultural pump engine with new reduced-emission technology.

В.	GENERAL INFORMATION ABOUT ENGINE FOR REPOWER OR RETROFIT		
1.	Number of engines to be repowered/retrofitted:		
2.	Primary function of engine: (crop irrigation, if other please explain)		
3.	Circle one: [stationary irrigation pump engine] [trailer mounted booster pump] [other] please explain:		
4a.	Estimated annual fuel usage (in gallons) for each engine1:	4b.	Percent within SJVAPCD boundaries
5a.	Estimated total annual hours of operation ¹ :	5b.	Percent within SJVAPCD boundaries:
6.	Is there any seasonality to the use of the engine? YES / No	O If Ye	es, please explain:

	CURRENT ENGINE		
7.	Engine type: Compression Ignition Spark Ignition		
8.	Engine make:		
8.	Engine model: Engine model year:		
9.	Serial number of engine:		
10.	Manufacturer's Intermittent (maximum) Brake Horsepower Rating (not continuous):		
11.	Primary fuel: Diesel Other (specify)		
12.	Estimated engine life:		
13.	Typical rebuild/replacement schedule:		
14.	Cost of rebuilding engine:		
15.	Certified USEPA standardized engine family name:		

NEW REDUCED-EMISSION ENGINE		
• • •	Compression Ignition Spark Ignition	
Engine make:		
Engine model:	Engine model year:	
Serial number of engine:	(provided when available)	
Manufacturer's Intermittent (maximum) Brake Horsepower Rating (not continuous) Not more than 25% increase from current engine ² :		
Primary fuel: Diesel Electricity Other (specify)		
Estimated engine life:		
Estimated rebuild/replacement schedule:		
Cost of new engine/retrofit replacement technology ³ :		
Certified USEPA standardized engine family name:		

***** SEE NEXT PAGE FOR IMPORTANT ADDITIONAL APPLICATION INFORMATION ******

ENGINE REPOWER AND RETROFIT APPLICATION SECTION (Continued)

1.	Applicants may be required to provide verification of annual fuel usage and/or mileage estimates. Types of verification that may be requested include: mileage logs, fuel logs, hub meters and/or fueling receipts, etc.
	Indicate method of record keeping that will be used: Annual fuel use records. Annual records of hours of operation as verified by non-resettable hour meter installed on the engine.
2.	Applicants must submit along with the application an <u>itemized written estimate from the engine dealer</u> of their choice, clearly detailing all work to be performed and all parts to be installed. It is at the discretion of the SJVAPCD to request additional estimates for any reason. Additionally, it is at the discretion of the SJVAPCD to disallow certain costs (parts or labor) if it is determined that those costs are excessive upgrades and are not required to complete the repower.
	 Submission of this estimate with an application in no way binds an applicant to work with a specific engine dealer.
3.	USDA EQIP Program Co-funding Applicant (must check one):
	Yes, an application has been submitted or will be submitted to the USDA EQIP program for cofunding for the engine(s) listed on the application .
	No, an application has NOT been submitted and will not be submitted to the USDA EQIP program for co-funding for the engine(s) listed on the application.

ENGINE REPOWER/RETROFIT APPLICATION SECTION (continued)

C. GENERAL INFORMATION ABOUT THE REPOWER INSTALLER

Complete the appropriate information, then go to Section F.

OEM REDUCED EMISSION ENGINE FOR REPOWER (replacement)							
Engine Dealer/Installer (List both if different):							
Street address:							
City:	State:	Zip Code:					
Phone: ()	Fax: ()						
Contact name:							
OR (if applicable)							

RETROFIT TECHNOLOGY				
Retrofit manufacturer:				
Retrofit kit model and number:				
Description of retrofit technology:				
Cost of certified retrofit kit:				
Retrofit dealer/installer:				
Installer street address:				
City:	State:	Zip Code:		
Phone: ()	Fax: ()			
Contact name:				

<u>Pleas</u>	ELECTRIC MOTOR AF					
_	epowering an existing stationary agricultural irrigatio urchase a new electric motor for placement on a new		•	the state of the s		
D.						
1.	Number of engines to be replaced:					
2.	Primary function of engine (e.g., irrigation pump):					
3a.	Estimated annual electricity consumption (kw/hr) for each motor:		3b.	Percent within SJVAPCD boundaries		
4a.	Estimated total annual hours of operation:		4b.	Percent within SJVAPCD boundaries:		
6.	Is there any seasonality to the use of the engine?	YES / N	O If Y	es, please explain:		
	CURRENT ENGINE	New	ELEC ⁻	TRIC MOTOR		
7.	Engine type: Compression Ignition Spark Ignition			manufacturer:		
8.	Engine year: Engine make and model:	Electric	motor	model:		
9.			ctric motor serial number: (provided when available) imated annual hours of operation:			
10.						
11.	, , , , , , , , , , , , , , , , , , , ,			timated annual energy usage (include units):		
12.				mated motor life:		
13.	Typical rebuild/replacement schedule:	Estima	ted reb	uild/replacement schedule:		
14.	Cost of rebuilding engine:	Cost of	Cost of rebuilding/replacing electric motor:			
15.	Certified USEPA standardized engine family name:	Cost of new electric motor:				
☐ Ai	te method of record keeping that will be used: nnual power consumption. nnual records of hours of operation as verified by no	ın-resettahlı	≏ hour	meter installed on the electric motor		

OEM ELECTRIC MOTOR FOR REPOWER (replacement)					
Motor Dealer/Installer (List both is different):					
Street address:					
City:	State:	Zip Code:			
Dheney (Fav. /				
Phone: ()	Fax: ()				
Contact name:					
All applicants must complete this section	1.				
F. OTHER INFORMATION					
MAINTENANCE					
Describe your maintenance facility and practices, includir	ng any training reg	arding the reduced-emission technology.			
If the training has not been completed, provide a timeline	for completion.				
REFUELING (for alternative fuels only)					
Describe how, and where the engine/fuel tank will be refueled.					