



Central Valley Electric Cooperative, Inc.

VARIABLE FREQUENCY DRIVE

Energy Efficiency Program & Rebates

Central Valley Electric Cooperative promotes energy efficient methods for motor and pump based systems using Variable Frequency Drives (VFD).

Program Content

CVE will offer members a rebate of \$100 per horsepower (HP) for the installation of VFDs to control end-use pump and motor equipment/systems up to 200 HP.

Program Provisions

All installed VFDs, regardless of the HP, must meet or exceed the Institute of Electrical and Electronics Engineers standard on Harmonic Control and Limitations (IEEE 519) for electric power systems.

A minimum of a 12 pulse Variable Frequency Drive is required; filters may also be required to prevent harmonic issues. Motors other than irrigation must have assumed annual load factors of at least 50 percent. Should the use of a VFD create unacceptable levels of harmonic distortion, the member will be responsible for resolving the issue to a level acceptable by CVE.

Rebates will be capped at \$75,000 annually for any one member. Members must apply for rebates within 90 days of VFD installation. Rebates will be issued within 30 days of approved application.

Program Rules & Guidelines

- A signed application and detailed invoice(s) must be submitted to CVE within 90 days of the installation date. Invoice(s) submitted must include itemized quantity, price, manufacturers' make and model number, equipment nameplate information of old equipment (retrofits), nameplate information of new VFD equipment, nameplate information of the motor and/or pump the VFD will be controlling, and VFD equipment specification sheets.
- VFDs must be installed and fully operational before a rebate can be issued.

- VFDs must be installed in accordance with all applicable local, state and national codes and ordinances.
- CVE is not liable for any damages caused by the operation or malfunction of the installed equipment.
- CVE will not rebate replacement VFDs for the same location in the event of failure of the VFD.
- CVE does not guarantee a specific level of energy or cost savings will result from the implementation of or use of products funded under this program.
- Rebates will be issued in the form of a check, not a utility bill credit.
- All VFD equipment must be new equipment. CVE will not rebate used equipment or duplicate a rebate for the same location.
- VFDs must be permanently installed. Temporary VFDs do not qualify for rebates.

A separate application must be submitted for every VFD location.

Program Funding

Funding for this program comes from CVE's Renewable Energy and Energy Conservation Fund. Should this fund become deficient, the Variable Frequency Drives program will become inactive until such time funds are available.

Submit Completed Applications to:

Central Valley Electric Cooperative
ATTN: VFD Rebate Program
PO Box 230
Artesia, NM 88211-0230

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CENTRAL VALLEY ELECTRIC COOPERATIVE, INC.
VARIABLE FREQUENCY DRIVE REBATE APPLICATION

Member Information

Member Name: _____

Billing Address: _____

City: _____ State _____ Zip _____

Contact Person: _____ Phone: _____

CVE Member Number: _____ VFD Location/Meter Number: _____

VFD Information

Installation Date: _____ Please provide a picture of the VFD Nameplate or Model Number.

VFD Type:

_____ Oilfield _____ Irrigation _____ Other

VFD System Cost: _____ VFD Manufacturer: _____

VFD Model Number: _____ VFD Serial Number: _____

Capacity: _____ kVA _____ kW _____ HP

NEMA Enclosure Type: _____ (See NEMA Standard Publication 250-2003)

Annual Hours of Operation: _____ Operating power factor & amps at full load: _____

VFD Pulse Rating (*minimum of a 12 Pulse VFD is required*): _____

Operating INPUT and OUTPUT information is required

INPUT:

_____ Volts _____ Amps _____ Frequency _____ Phase

OUTPUT:

_____ Volts _____ Amps _____ Frequency _____ Phase

Motor Information

HP _____ NEMA Frame _____ NEMA Design _____ %Eff @ FL _____ No. of Poles _____

RPM _____ NEMA Code _____ % PF @ FL _____ Amps @ FL _____ Volts

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CENTRAL VALLEY ELECTRIC COOPERATIVE, INC.

VARIABLE FREQUENCY DRIVES REBATE APPLICATION

Member Signature & Certification

I certify that I have purchased the equipment described in this form and that it has been installed at the location indicated. I agree to the terms and conditions associated with this form.

_____ Member Installed Equipment

_____ Dealer/Contractor Installed Equipment (Dealer Contractor must fill out information and sign).

Member Signature _____ Date

Dealer/Contractor Signature & Certification

Dealer/Contractor Name: _____

Dealer ID (if applicable): _____ Phone: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Person: _____

I certify that all equipment and installation information provided on this application is correct and accurate.

Dealer/Contractor Signature _____ Date

Revised 8/28/18

CVE USE ONLY:

Date Received: _____ Received By: _____

Invoice Number(s): _____

Rebate Amount: _____

Short Circuit Current (provided by CVE):

_____ kA rms symmetrical @ _____ V (MAX)

Comments: _____
