

Central Valley Electric Cooperative, Inc.

VARIABLE FREQUENCY DRIVES (VFD)

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 rebates to commercial, industrial, and irrigation members for installing VFDs to control end-use pump and motor equipment/systems.

PROGRAM PROVISIONS

Program Qualifications:

1. All installed VFDs must meet or exceed the Institute of Electrical and Electronics Engineers standard on Harmonic Control and Limitations (IEEE 519) for electric power systems.
2. A minimum of a 12-pulse VFD is required; filters may also be required to prevent harmonic issues.
3. Motors other than irrigation must have assumed at least fifty percent (50%) of the annual load factors.
4. CVE will not rebate a replacement VFD for the same location in the event of the VFD failure.
5. Temporary VFDs do not qualify for rebates. VFDs must be permanently installed.

VFD Rebates

1. A rebate of sixty percent (60%) of the equipment cost (taxes and labor not included) will be given for the installation of qualified VFDs.

PROGRAM RULES & GUIDELINES

- Must include a copy of a dated, detailed, paid-in-full invoice(s). Invoices must include itemized quantity, price, manufacturers' make and model numbers, 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 the VFD equipment specification sheet(s).
- VFD must be installed and fully operational before a rebate will be issued.
- All VFDs must be new. CVE will not rebate used equipment or duplicate a rebate for the same location.
- VFDs must be installed in accordance with all applicable local, state, and national codes and ordinances.

- Should the use of a VFD create unacceptable levels of harmonic distortion, the member will be responsible for resolving the issue to the level acceptable to CVE.
- Members must apply for rebates within 90 days of installing the VFD. Rebates will be issued within 30 days of the approved application.
- Rebates will be given in the form of a check or utility bill credit.
- CVE does not guarantee a specific level of energy or cost savings from implementing or using the products funded under this program.
- CVE is not liable for any damages caused by the operation or malfunction of the installed equipment.
- The rebate will be issued after a CVE employee completes an on-site verification of the installed equipment.
- Rebates will be capped at \$75,000.00 annually for any one member. This amount applies to the combined total of all other CVE rebate programs.
- To receive the rebate, CVE members must be current (within 60 days) in the payment of their account(s).

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

Or E-mail to: mbrsvc@cvecoop.org

CENTRAL VALLEY ELECTRIC COOPERATIVE, INC.
VARIABLE FREQUENCY DRIVES 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

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

CVE USE ONLY:

Date Received: _____ Received By: _____

Invoice Number(s): _____

Rebate Amount: _____

Short Circuit Current (provided by CVE):

_____ kA rms symmetrical @ _____ V (MAX)

Comments: _____
