

**COLUMBUS ELECTRIC COOPERATIVE, INC.**  
**ENERGY EFFICIENCY FACT SHEET**  
**VARIABLE SPEED DRIVE RETROFIT**

**GENERAL INFORMATION**

- No other CEC Energy Efficiency Product discount/or rebate shall apply
- Applies to the installation of:
  - ***Variable frequency drives*** retrofit onto existing equipment such as irrigation wells or industrial machinery.
    - New motors may be installed at the same time and may qualify for a separate motor rebate.
    - Replacement of existing VSDs for maintenance of other purposes does not qualify for an incentive.
- An Energy Efficiency Products Application/Certification is required.
- The Cooperative is required to report these incentives to the IRS using a 1099 form.
- An application form and visual inspection by a representative from the Cooperative is required.

**EFFICIENCY STANDARDS**

All VFD/VSD drives connected to the system must meet or exceed IEEE 519 requirements. THD (Total Harmonic Distortion) must be 5% or less, 6-pulse drives will not meet these requirements and filters would have to be applied for them to meet this requirement, 12 pulse drives are at this limit and may require some correction, and 18-pulse drives or greater will be below the IEEE 519 requirement.

**PAYMENTS**

- The lesser of 50% of the cost of the VSD unit or
- Motor Nameplate hp Incentive
  - Less than 25 no incentive
  - 25 \$1,600
  - 30 \$1,750
  - 40 \$2,050
  - 50 \$2,350
  - 60 \$2,650
  - 75 \$3,100
  - 100 \$3,800
  - 125 \$4,600
  - 150 \$5,300
  - 200 \$6,800
  - 250 \$6,800
- Larger than 250 \$6,800
- Program Capped at \$20,000 per member