

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
- Motors from 25 to 250 horsepower
- Applies to the installation of:
 - ***Variable frequency drives*** retrofit onto existing equipment such as irrigation wells, commercial 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 or other purposes, does not qualify for a rebate.
- 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.
- “Project” is defined as a single contiguous location, approval by Tri-state is necessary for any interpretation of this rule.

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 Program Capped at \$20,000 per member
- 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