



Offers valid till funding expires

**All rebates are capped at 70% of actual cost, or the approved amount, whichever is less.**

**Application Instructions**

1. Applicant must contact Columbia REA at (509) 526-4041 for pre-approval
2. Irrigation system upgrades and variable frequency drives must be installed at an address served by Columbia REA
3. Complete and sign the Rebate Application including page 2, "AGRICULTURE PUMP VFD INFO"
4. Provide a copy of your vendor invoice(s) detailing equipment purchased
5. Identify your field(s), crop(s) and acres irrigated by providing a map of the fields and acreage
6. Return all forms and application to:  
Columbia REA - Attn: Charlie DeSalvo, 2929 Melrose Street, Walla Walla, WA 99362 or email cdesalvo@columbiarea.coop.  
\*\*Rebate(s) will be issued in the form of a check to the member's name on the Columbia REA account
7. For additional inquiries regarding rebates, please contact Charlie DeSalvo at (509)526-4041.

**Rebate Information**

The original pump is a turbine or centrifugal style, used for irrigation purposes, which operates at a fixed speed but has a variation of flow or head requirements. An approved rebate installation would have a variable frequency drive (VFD) to better match pump performance to system requirements. This applies to pumping operations that deliver, distribute or transport irrigation water with qualifying VFD's from **20 to 500** horsepower. New VFD installations must meet the IEEE 519 harmonics standard. More technical specifications may apply.

Eligible installations are generally limited to pumps with substantial variation in flow rates (20% variation or more) or discharge pressure requirements (10% variation or more). Please complete the form on page 2 so we can approve this specific installation.

**Rebate amounts available per approved horsepower**

- New VFD with Agricultural **Centrifugal** Pump, \$50 per nameplate horsepower
- New VFD in Agricultural **Turbine** pump, \$80 per nameplate horsepower

**CUSTOMER INFORMATION**

<b>Applicant Name</b> (please print)	<b>Phone Number</b>	<b>Columbia REA Account #</b>
<b>Installation Address</b>	<b>City</b>	<b>Zip</b>
<b>Mailing Address</b> (if same, please indicate)	<b>City</b>	<b>Zip</b>

By signing below, I certify that all information listed on this document is true and correct and the installation address is served by Columbia REA. I attest that I have not previously applied for or received a rebate for the irrigation system upgrade(s) or variable frequency drive(s) listed above. I understand that Columbia REA reserves the right to verify installation of the listed irrigation system upgrade(s) or variable frequency drive(s) and that completion of this form does not guarantee a rebate. I acknowledge that Columbia REA's Irrigation Rebate Program is subject to change, and funding availability.

Applicant Signature \_\_\_\_\_ Date \_\_\_\_\_

## AGRICULTURE PUMP VFD INFO

**Please fill in all of the BLUE highlighted fields.**

### A. IRRIGATOR INFORMATION

Estimated Date of VFD Installation:	
Irrigator Contact Name:	
Address:	
City, State, ZIP:	
Serving Electric Utility:	
Account Number or	
Meter Number	

### B. MOTOR DATA

Pump Rated HP for VFD:		HP
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### C. TYPE OF PUMP - Turbine or Centrifugal?

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#### TURBINE PUMP DATA

Turbine Pump Manufacturer:		
Turbine Pump Model:		
Rated Head (or TDH) (nameplate or curve):		feet
Rated Flow (from nameplate or curve):		gpm
Pump Depth (feet):		feet
Estimated Lift (feet):		feet
Highest Expected Lift:		feet
Lowest Expected Lift:		feet
Discharge pressure Maximum Lift (psi):		psi gauge
Discharge pressure Minimum lift (psi):		psi gauge
Highest Expected Flow:		gpm
Lowest Expected Flow:		gpm
Does system pressure get too high (Y/N)		
If so, how is it controlled (PRV, throttling, dumping)		

#### CENTRIFUGAL PUMP DATA

CENTRIFUGAL Pump Manufacturer:	
CENTRIFUGAL Pump Model:	
Rated Head (or TDH) (nameplate or curve):	
Rated Flow (from nameplate or curve):	
Estimated Lift (feet) (negative if pump head):	
Discharge pressure reqd at Maximum flow (psi):	
Discharge pressure reqd at Minimum flow (psi):	
Highest Expected Flow:	
Lowest Expected Flow:	
Does system pressure get too high (Y/N)	
If so, how is it controlled (PRV, throttling, dumping)	

### D. METER LOAD DATA ESTIMATES

Equipment Description	Rated Load	Units (kW or HP)	Motor Loading factor	Estimated hours of Operation (for pivots assume 33% run time)
Well Pump (Turbine where VFD to be installed)		HP		
Booster Pump?		HP		
Pivot ?		HP		
Pivot ?		HP		
End gun booster pump?		HP		
OTHER				

### E. CROP AND IRRIGATION SYSTEM TYPE DATA

	Year	Crops grown	Acres	Irrigation System type
3 years prior to VFD installation	2017			
2 years prior to VFD installation	2018			
1 year prior to VFD installation	2019			
1 year post installation of VFD	2020			

### F. PREVIOUS ENERGY SAVINGS MEASURES

Name of Measure	Install Date	Energy Savings claimed (kWh/yr)	First year of impact on billing history	Adjustment to Energy consumption Required?