



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: [rebate@columbiarea.coop](mailto:rebate@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** (\* work invoiced before 4/1/2023 may be paid less.)

- New VFD with Agricultural **Centrifugal Pump**, **\$70\*** per nameplate horsepower.
- New VFD in Agricultural **Turbine pump**, **\$100\*** 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. Rebate may be paid as a bill credit if the account is past due.

**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		CENTRIFUGAL PUMP DATA
Turbine Pump Manufacturer:		CENTRIFUGAL Pump Manufacturer:
Turbine Pump Model:		CENTRIFUGAL Pump Model:
Rated Head (or TDH) (nameplate or curve):		Rated Head (or TDH) (nameplate or curve):
Rated Flow (from nameplate or curve):		Rated Flow (from nameplate or curve):
Pump Depth (feet):		Estimated Lift (feet) (negative if pump head):
Estimated Lift (feet):		Discharge pressure reqd at Maximum flow (psi):
Highest Expected Lift:		Discharge pressure reqd at Minimum flow (psi):
Lowest Expected Lift:		Highest Expected Flow:
Discharge pressure Maximum Lift (psi):		Lowest Expected Flow:
Discharge pressure Minimum lift (psi):		Does system pressure get too high (Y/N)
Highest Expected Flow:		If so, how is it controlled (PRV, throttling, dumping)
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	2020?			
2 years prior to VFD installation	2021?			
1 year prior to VFD installation	2022?			
1 year post installation of VFD	2023?			

### 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?