

Agricultural Variable Frequency Drive (VFD)



Addition of adding VFD to existing pump

Existing Turbine and Centrifugal pumps are eligible

Where Service Matters

www.fallriverelectric.com

Fall River Electric (FRE) provides energy efficiency programs to financially assist our members to improve irrigation system efficiency. This measure requires the addition of VFD to an existing, fixed speed, turbine, or centrifugal style pump. This measure applies to pumping operations that deliver, distribute or transport irrigation water with qualifying VFD's from 7.5 to 1,000 horsepower electric motors. Both Turbine and Centrifugal pumps are eligible with the following conditions: Turbine pumps are eligible with substantial variation in flow rates (20% variation or more) or discharge pressure requirements (10% variation or more). Centrifugal pumps are eligible with substantial variation in discharge pressure requirements (20% variation or more). All VFD installations are required to meet the IEEE 519 harmonics standard.

Member Number		Phone #	
Member Name		Mobile #	
Mailing Address	City	State	Zip
Installation Address <i>(if different than above)</i>	City	State	Zip
Email		Meter Number	
Motor Data	Irrigation Pump Rated HP for VFD:	VFD Installed date	

PUMP DATA **Rated head & flow may be obtained from the pump's nameplate or pump curve**

Pump Type: <input type="checkbox"/> Centrifugal <input type="checkbox"/> Turbine/Submersible	Pump Manufacturer:	
Pump Model:	If Turbine, indicate stages:	Impeller Size:
Rated Head (or TDH) (nameplate or curve) (ft):	Rated Flow (from nameplate or curve) (gpm):	
Pump Depth (ft):	Estimated Lift (ft):	
Discharge pressure required at Maximum flow (psi):	Discharge pressure required at Minimum flow (psi):	
Highest Total Dynamic Head (ft):	Lowest Total Dynamic Heat (ft):	
Does system pressure get too high? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If so, how are the variations controlled: <input type="checkbox"/> Throttling <input type="checkbox"/> Dumping <input type="checkbox"/> PRV <input type="checkbox"/> Not controlled		
Pump Installation Dealer:	Dealer phone number:	

OTHER LOADS ON THE METER

Other Pump(s) HP:			
Pivot or Linear	Number of Towers	Drive HP/Tower	End Gun Booster HP
1			
2			
3			
4			

Continue on back

SYSTEM INFORMATION AND CROP HISTORY

	Acreage for each Crop Irrigated by this System				
	Year	Crops grown	Irrigation system type: Pivot, Linear, Big Gun, Wheel-line or Handline	Acres	Metered kWh (Provided by Fall River)
3 years prior to VFD Installation	2021				
Additional notes:					
2 years prior to VFD Installation	2022				
Additional notes:					
1 year prior to VFD Installation	2023				
Additional notes:					
1 year post to VFD Installation	2024				
Additional notes:					

REBATE

Measure Category	Member Rebate
Turbine Pump VFD	\$70.00 per nameplate horsepower
Centrifugal Pump VFD	\$50.00 per nameplate horsepower

Documents Requirements:

- The invoice showing manufacturer, model number, type or size of equipment, purchase date and cost.

Purchases must be made after 10/1/2023 and installed in FRE service territory to be eligible. All incentives are subject to availability and may change at any time. FRE reserves the right to inspect for program compliance. By signing, the Member certifies that the above information is true and accurate to the best of their knowledge.

Member Signature _____

Date _____

Office Use Only		
GL: CONS 12 300 555.13 Effective 10/1/2023	FRE Representative _____	Pay \$ _____ Date _____