

VFD For Glycol Pump Motor Checklist

Project Name _____ Address: _____

Existing Conditions Requirements	Check
Photo of the SCE meter*	<input type="checkbox"/>
Recent SCE Bill <ul style="list-style-type: none"> SCE bill should show the recent usage of the photographed meter 	<input type="checkbox"/>
Photos to confirm the glycol pumps are installed for wine process cooling*	<input type="checkbox"/>
Photos of the glycol pumps* <ul style="list-style-type: none"> Overview area photos to capture pumps their location 	<input type="checkbox"/>
Photos of the glycol pumps' nameplates* <ul style="list-style-type: none"> One photo of a nameplate for each unique model being fitted with a VFD. If nameplates are deteriorated, take a photo 	<input type="checkbox"/>
Photos of the location where the VFD pumps are being installed* <ul style="list-style-type: none"> Photos of the agriculture structure in which the pump VFDs will be installed 	<input type="checkbox"/>
Spec sheets of existing glycol pumps (if available) <ul style="list-style-type: none"> Need to confirm that the pump is constant speed and can accommodate a VFD 	<input type="checkbox"/>
Existing glycol pump horsepower rating	<input type="checkbox"/>

Project Type	Check
Installing VFDs on existing constant-speed glycol pumps	<input type="checkbox"/>
Installing new pumps that can accommodate VFDs in addition to VFDs	<input type="checkbox"/>

Proposed VFD Eligibility	Check
VFD must have automated controls based on pressure, fluid temp, and/or flow rate feedback	<input type="checkbox"/>
VFD recommended to meet requirements of IEEE Standard 519-2022	<input type="checkbox"/>
VFD HP rating must be greater than or equal to glycol pump HP rating	<input type="checkbox"/>

Proposed VFD Documentation	Check/Fill in
Manufacturer spec sheets of proposed VFDs	<input type="checkbox"/>
Proposed control strategy <ul style="list-style-type: none"> Pressure feedback, fluid temperature feedback, and/or flow rate feedback 	
Pump horsepower rating <ul style="list-style-type: none"> For new and existing pumps 	
Confirm the pump is not a backup/redundant pump	<input type="checkbox"/>
Pump operating hours	
Chilled fluid type (glycol, other) <ul style="list-style-type: none"> Specify type of chilled fluid 	

Quantity of each proposed VSD ▪ Break out quantity by each model being installed	
W9 form filled out	<input type="checkbox"/>
Estimated installation completion date _____	<input type="checkbox"/>

Closeout Documentation Needed

The below items will be required after the installation is complete. (Refer to Measure Checklist for other requirements).

- Signed attestation
- Photos of installed VFDs operating*
- Photos of installed VFD nameplates*
 - At least one photo of a nameplate for each unique model being installed
- Photos of VFD sensors/feedback mechanism*
- Photos of the location where the VFDs are being installed*
- Photos of the nameplates of the pumps being controlled by the VFDs*
- Paid itemized invoice for materials and labor
- Serial numbers (or other unique identifier) for each pump installed

*All photos must be geotagged and dated.

For questions or clarification for check list items, please contact our program team at AgEE@CAEnergyPrograms.

Proposed VFD Info

Fill out existing pump info for replacement projects

Proposed VFD Manufacturer	Proposed VFD Model	Proposed VFD Horsepower Rating	Quantity	Glycol Pump Manufacturer	Glycol Pump Model	Glycol Pump Horsepower	Quantity

*Operation: constant or variable speed