Canadian Valley Electric Cooperative – Distributed Generation (DG) Verification

Canadian Valley Electric must complete a verification of your newly installed distributed generation resource consisting of an office and field component.

Prior to installation, please provide the following for the CVEC engineering team:

1. Type of generation (i.e. solar, wind, diesel generator, etc.)
2. Note the **AC** system size on the CVEC interconnection agreement.
3. One-line diagram will be required showing the wiring schema of the following:
    a. Utility billing meter
    b. VLLD (Visible Lockable Labeled Disconnect)
        i. Is VLLD UL standard listed?
        ii. How far is VLLD from utility billing meter (<u>must not exceed 10'</u>)?
    c. Automatic Disconnect (<u>required</u> on all new DG)
        i. Inverters meeting latest IEEE 1547 and UL 1741 are acceptable in lieu of automatic disconnect
    d. Automatic transfer switch (if applicable)
    e. Customer DG location (address, section/township/range)

When conditional approval is received from CVEC engineering, contact us when ready for an on-site safety verification once the DG is installed and operational. A qualified operator of the DG system **must be on-site** to verify DG resource is not backfeeding the CVEC billing meter during outage conditions (anti-islanding). If the newly installed DG has a "standby" or "test" mode, please be ready to initiate this mode during the on-site verification.

Please provide the following and return with Interconnection Agreement:

Module (Quantity, Manufacturer, model)	
System Capacity (kWdc)	
Inverter (Quantity, Manufacturer, model)	
System Capacity (kWac)	
Voltage (Volts)	
Charge Controller (Manufacturer, model)	
Battery Rating	
Transfer Switch (manufacturer, model) if applicable	
System Configuration Connection Diagram Matching (verify one-line matches installation)	

Following will be checked by CVEC inspector:

Check/Verify Access to Disconnect (Gates, locks etc.)		
Check for visible disconnect		
Disconnect Function	Normal	Abnormal
Verify Unintentional islanding functionality (Should not backfeed CVEC System)		
Warning Labels		

Please refer to our website (Energy Solutions > Renewable Energy) for a list of FAQs