



PIERCE PEPIN

COOPERATIVE SERVICES

Live Better[®]

COMMISSIONING TEST

For Grid-connected Distributed Energy Resource (DER) Systems

Member Name:

Service Address:

Account: xxxxxxxx

Member Number: xxxxx

Inverter Make & Model:

NOTE: If this test is for a solar electric *DG system*, it must be conducted during daylight hours, to ensure that there is adequate solar potential to feed some power to the utility grid and conduct the test; likewise, if it is a wind generator, there must be adequate wind speeds.

☒ Solar (*xx.xxkW_{ac}*) ☐ Wind (*___kW_{ac}*)

- ☐ Locate and note the point of interconnection of the inverter output to the electric service
 - _____
- ☐ The main service panel cover should contain a label explaining that “***This service panel is energized from more than one source: only authorized persons who are familiar with this system should attempt to do service work on it.***”
- ☐ Flip the circuit-breaker to “ON” to energize the AC side of the *DG system*
- ☐ Locate the *Interconnection disconnect switch* and verify the proper labeling of this device along with the written procedure for correctly disconnecting the *DG system* from the electric utility grid.
- ☐ Once the *DG system* has begun normal operation, check measurements at the *DG system Interconnection disconnect switch*, which should be located near the electric meter:
 - *line side* [_____ VAC] [_____ Amps]
 - *load side* [_____ VAC] [_____ Amps]

SAMPLE



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[Page 2]

- ☐ After the *DG system* has begun normal operation, place the *Interconnection disconnect switch* to the “OFF” position to simulate a loss of station power.

NOTE: The *DG system* should be connected to the load side of the disconnect switch.

- ☐ Measure the AC voltage at the lugs on the *DG system* side of the disconnect switch. It must drop to zero within two seconds once the switch is opened.

[_____ VAC]

- ☐ If this is the case, the *DG system* has passed the **anti-islanding test**.

- ☐ Verify the installation of an equipment grounding conductor and the ungrounded conductors between the *DG System* and Pierce Pepin’s distribution system.

- ☐ Signed DG Wiring Compliance Certificate

- ☐ Take pictures of the DG system. (*i.e. inverter, array, turbine, etc.*)

- ☐ Attach pictures and this document to service order in AppSuite

- ☐ Notes: _____

SYSTEM CERTIFICATION

I certify that I have conducted, or observed, the above anti-islanding test, and that the inverter responded as indicated above when disconnected from Pierce Pepin’s distribution system. Furthermore, I have checked and verified the other items on this list and designated with a check in the box affirming said specification.

Signature of Certifier

Date & Time