

# PIERCE PEPIN COOPERATIVE SERVICES

## Live Better.®

### COMMISSIONING TEST For Grid-connected Distributed Generation (DG) Systems

Member Name: \_\_\_\_\_

Service Address: \_\_\_\_\_

Account: \_\_\_\_\_ XXXXXXXX Member Number: \_\_\_\_\_ XXXXXX

Inverter Make & Model:

(1) Fronius Primo 5.0-1

# INFORMATION ONLY

**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 ( \_\_\_ kW)     Wind ( \_\_\_ kW)     Other \_\_\_\_\_

- 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.”*** Locate the designated *Distributed Generation (DG) system* circuit-breaker in the main panel:
  - ( ) [ \_\_\_\_\_ ] amp breaker
  - ( ) [ \_\_\_\_\_ ] amp breaker
- 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 as 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]

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- 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, in addition to 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.*)
- Notes:

**INFORMATION ONLY**

### 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