PIERCE PEPIN
COOPERATIVE SERVICES
Live Better®

COMMISSIONING TEST
For Grid-connected Distributed Generation (DG) 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.xx**kW**$_{ac}$)* ☐ *Wind (___kW$_{ac}$)*

- ☐ Locate and note the point of interconnection of the inverter output to the electric service
  - o _____
- ☐ 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 as begun normal operation, check measurements at the *DG system Interconnection disconnect switch*, which should be located near the electric meter:
  - o *line side* [_____VAC] [_____Amps]
  - o *load side* [_____VAC] [_____Amps]

SAMPLE

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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 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

SAMPLE