Residential PV System Commissioning Checklist

TIPTON MUNICIPAL UTILITIES

PV System Owner: _____

PV System Address: _____

1 ☐ Verify PV System Disconnect is installed and OPEN

2 ☐ Verify Inverters are IEEE1547/UL1741 Listed

3 ☐ Install proper bi-directional meter

Meter Number: _____

Start Reads: KWH Delivered _____ KWH Received _____

4 ☐ At Meter Base, measure utility voltage:

L1-N		VAC	120V +/-5% expected
L2-N		VAC	120V +/-5% expected
L1-L2		VAC	240V +/-5% expected

5 ☐ CLOSE the PV System circuit breaker in Service Panel

6 ☐ CLOSE the PV System Disconnect

7 ☐ After the PV System is in normal operation, measure the utility voltage to ensure it remains within 5% of the inverter AC output ratings.

L1-N		VAC	120V +/-5% expected
L2-N		VAC	120V +/-5% expected
L1-L2		VAC	240V +/-5% expected

8 ☐ OPEN the PV System circuit breaker in the Service Panel to simulate a utility power outage.

9 ☐ Verify the voltage at the PV System Disconnect has dropped to 0V on L1-N, L2-N, and L1-L2.

10 ☐ Close the PV System circuit breaker in the Service Panel and verify that the PV System returns to normal operation after 300 second start up delay (5 minutes).

Certification: I, _____ certify that the above commissioning was performed
(print name)
and the Residential PV System is approved for operation.

_____

Signature Title Date