

Section 9 – Interconnection Requirements

External AC Disconnect Switch

Public Service is proposing only one change to its interconnection requirements - to relieve 10 kW and smaller PV systems of the requirement to have an external AC disconnect switch (“EDS”). Upon reviewing a number of papers, OSHA regulations, and activities that have recently transpired in other states, Public Service believes that there is no longer a need to require AC EDS for solar systems below 10 kW, so long as the solar system has an Underwriters Laboratory (“UL”) 1741 standard certified inverter.

UL 1741 testing provides certification that the inverter is compliant with IEEE standard 1547 and 1547.1, and therefore has the triple redundant anti-islanding circuitry that normally will cause it to cease generating AC power in the event of a utility outage.

Inverter-based PV systems, no larger than 10 kW, are too small to have the capability of backfeeding our distribution system should the anti-islanding features fail. However, Public Service reserves the right to pull the customer’s meter if desired to assure the safety of its linemen.