

BPW POLICY MANUAL

ETD – 014

Customer Owned Generation Interconnect Policy

Page 1 of 2

EFFECTIVE DATE
23 July 2007

REVISION DATE
15 Sept 2008

Intent

It is the intent of the Holland Board of Public Works (HBPW) to allow the electrical interconnection of cogeneration facilities and small power production facilities to the HBPW distribution system in accordance with the provisions of this article.

Guidelines

1. Holland Board of Public Works

- a. Will ensure the interconnection is in compliance with Public Utility Regulatory Policies Act (PURPA) and Federal Energy Regulatory Commission (FERC) rules and regulations.
- b. Will inform potential power producers that they have the responsibility to comply with all federal, state, and local regulations.
- c. Will, upon completion of a satisfactory Interconnect Study, provide interconnection service to any electric consumer installing a 30 KW or greater generation unit. Service is evaluated and provided on a case-by-case basis and will require a separate Power Purchase Agreement.
- d. Will, upon completion of a satisfactory Interconnect Study, provide interconnection service to any electric consumer installing less than or equal to a 30 KW generating unit in which the primary energy source must be solar, biomass, waste, wind, geothermal, or approved renewable energy sources.
- e. Will own the meters utilized for billing.

2. The Customer

- a. Shall install and own conductors and equipment up to the service point as specified in the HBPW "Distribution Line Extension" policy.
- b. The Interconnect Study will be conducted at the customer's expense.
- c. Shall make application to the BPW for the proposed installation, obtain approval of the location, equipment, and design before starting installation of the installation, and pay any HBPW construction fees for system improvements as specified in the HBPW "Distribution Line Extension" policy.

- c. Shall submit a plan view drawing of the installation and shop drawings of switchgear to the BPW for approval prior to finalizing orders for service equipment to avoid delays and unnecessary expense to the customer and the HBPW.
- d. The interconnection and parallel operation of generation equipment shall be in conformance with prudent utility practices, shall maintain the integrity of the HBPW distribution system, and ensure no adverse impacts upon the quality of service to other HBPW customers.
- e. Protection, safety, and interconnect equipment must meet standards of accepted good design, engineering, electric safety practices, and all applicable local, state, and federal electrical installation and safety codes.
- f. A suitable disconnect, interconnection breaker, and interconnect relay shall be installed to automatically disconnect and isolate the generation facility from the HBPW distribution system in the event of a service interruption. The automatic disconnect equipment shall receive its voltage and frequency reference from the HBPW service lines. Such equipment must be capable of preventing the generation facility from energizing the HBPW service lines during a service interruption.
- g. Electrical parameters such as fault protection, voltage levels, synchronization, grounding, harmonics, power factor, voltage regulation, flicker, and frequency regulation shall comply with the latest edition of The Institute of Electrical and Electronic Engineers “Standard for Interconnecting Distributed Resources with Electric Power Systems” (IEEE standard 1547)
- h. Any exceptions to the above requirements must be specifically approved by HBPW.