(D)(N)

(D)(N)

**A. Applicability** (continued)

**2. Tier 2.** (continued)

g) Any upgrades required to the electric system must fall within the requirements in section (2)(b)(ii) of this section;

h) For interconnection of a proposed generating facility to the load side of the spot network protectors, the proposed generating facility must utilize an inverter. The aggregate nameplate capacity of all inverter-based systems must not exceed the smaller of five percent of a spot network’s maximum load or 50 kW;

i) The aggregated nameplate capacity of existing and proposed generating facilities must not contribute more than ten percent of the distribution circuit’s maximum fault current at the point on the primary voltage distribution line nearest the point of interconnection; and

j) The generating facility’s point of interconnection must not be on a circuit where the available short circuit current, with or without the proposed generating facility, exceeds 87.5 percent of the interrupting capability of the Company’s protective devices and equipment (including substation breakers, fuse cutouts, and line reclosers).

**3. Tier 3.** Interconnection of a generating facility will use Tier 3 processes and technical requirements if the proposed generating facility does not qualify for Tier 1 or Tier 2.

**B. Technical Requirements**

**1. Tier 1**

* + 1. The purpose of the protection required for Tier 1 generating facilities is to prevent islanding and to ensure that inverter output is disconnected when the electric system is deenergized;
    2. An interrupting device must be provided which is capable of safely interrupting the maximum available fault current (typically the maximum fault current is that supplied by the Company);
    3. The generating facility must operate within the voltage and power factor ranges specified by the Company and as allowed by Underwriters Laboratories standard (UL) 1741;
    4. Disconnect Switch:

(i) Interconnection customers installing and operating an inverter-based UL 1741 certified system interconnected through a self-contained socket-based meter of 320 amps or less are not required to install a visible, lockable AC disconnect switch. Except as provided in subsections B, C, And D of this subsection, all other generating facilities must include a visible, lockable AC disconnect switch. The Company shall have the right to disconnect the generating facility at a UL listed disconnect switch to meet Company operating and safety requirements;

(ii) The Company may waive the visible, lockable disconnect switch requirement for an inverter-based system.