

PSC NO: 119 ELECTRICITY
NEW YORK STATE ELECTRIC & GAS CORPORATION
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GENERAL INFORMATION

9. Distributed Generation Interconnection Requirements (Cont'd.)

- F. II. Interconnection Requirements for New Distributed Generators 300 kVA or Less, or Farm Waste Generators of 400 kW or Less, Connected to Radial Distribution Lines (Cont'd.)

D. Disconnect Switch (Cont'd.)

The disconnect switch shall be located within 10 feet of NYSEG's external electric service meter. If such location is not possible, the customer-generator will propose, and NYSEG will approve, an alternate location. The location and nature of the disconnect shall be indicated in the immediate proximity of the electric service entrance. The disconnect switch shall be readily accessible for operation and locking by NYSEG personnel in accordance with Section II.B, Operating Requirements.

The disconnect switch must be lockable in the open position with a standard NYSEG padlock with a 3/8 inch shank.

E. Power Quality

The maximum harmonic limits for electrical equipment shall be in accordance with IEEE 519. The objective of IEEE 519 is to limit the maximum individual frequency voltage harmonic to 3% of the fundamental frequency and the voltage Total Harmonic Distortion (THD) to 5% on the NYSEG side of the PCC. In addition, any voltage fluctuation resulting from the connection of the customer's energy producing equipment to the NYSEG system must not exceed the limits defined by the maximum permissible voltage fluctuations border line of visibility curve, Figure 10.3 identified in IEEE 519. This requirement is necessary to minimize the adverse voltage effect upon other customers on the NYSEG system.

F. Power Factor

If the average power factor, as measured at the PCC, is less than 0.9 (leading or lagging), the method of power factor correction necessitated by the installation of the generator will be negotiated with NYSEG as a commercial item.

Induction power generators may be provided VAR capacity from the NYSEG system at the generator-owner's expense. The installation of VAR correction equipment by the generator-owner on the generator-owner's side of the PCC must be reviewed and approved by NYSEG prior to installation.

G. Islanding

Generation interconnection systems must be designed and operated so that islanding is not sustained on NYSEG distribution circuits. The requirements listed in this document are designed and intended to prevent islanding.

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