

## **10. SPECIAL PROVISIONS/SPECIAL EQUIPMENT**

### **10.1 Capacitors**

Customers installing capacitors to improve the power factor of their load should contact PSEG Long Island, so advice may be given regarding supply system characteristics.

### **10.2 Radio and Television Transmitters, Flashing Signs, Welders, and Electric Furnaces**

The operation of large flashing signs, welders, furnaces, dielectric and induction heaters, radio and television transmitters, X-ray equipment, reciprocating compressors, and similar apparatus having intermittent flow of large currents sometimes interferes with other users of the electric service. The customer shall consult PSEG Long Island, in each case, so that the character of electric service that will be supplied, the corrective equipment needed, and other special precautions that must be taken will be mutually known factors before planning to use such apparatus.

### **10.3 Load Control Management**

**10.3.1** Where a customer requires information from LIPA metering equipment, namely, KW data pulses, for the operation of load control equipment, the Company will furnish electric demand pulses at the point of metering.

**10.3.2** The customer will be required to:

- Compensate PSEG Long Island for service and equipment provided
- Enter into an agreement with PSEG Long Island, wherein responsibilities of both parties are provided

It is recommended that before any load control device is purchased, an agreement be reached with the Company regarding installation practices.

The customer shall be responsible for providing the communications to the meter.

## **10.4 Optional Stand-by Systems**

- 10.4.1** All installations of customer's generating equipment require adherence to fundamental rules for safeguard of all personnel and LIPA's equipment. PSEG Long Island must be consulted before any generating equipment is connected to any circuits which are, or can be, supplied from LIPA's distribution system. This is to insure against any back feed of electricity into LIPA's system. When a customer has a generator, the customer's metering equipment must be placarded that a generator is present.
- 10.4.2** An open transition (break-before-make) double throw type switch or contactor shall be provided to transfer all ungrounded conductors of an emergency lighting or power load to either the stand-by generator or the normal supply (see drawing D35). Automatic transfer systems must be approved by PSEG Long Island. Installation of a closed transition transfer switch will be considered a parallel operation, and will be subject to the requirements of Section 10.4.4.
- 10.4.3** The stand-by generator should be 60 Hertz (cycles per second) alternating current.
- 10.4.4** Interconnection of generation, in parallel with the LIPA system, if not constructed with the proper relay and protection, can be hazardous to customer equipment, LIPA equipment, PSEG Long Island employees, and electrical contractors. PSEG Long Island will provide the technical specifications required for interconnection of independent power generation units, upon request. In addition, all independent generators of power are required to sign an Interconnection Agreement with PSEG Long Island, which highlights the responsibilities of each party. Copies of this agreement and PSEG Long Island's interconnection requirements can be found on PSEG Long Island's website (<https://www.psegliny.com/page.cfm/AboutUs/CompanyProfile/Powering/SGIP>).

## **10.5 Solar PhotoVoltaic Systems**

- 10.5.1** All installations of customer Solar PhotoVoltaic Systems must be installed in compliance with NEC Article 690, and will require an electrical inspection certificate ensuring the installation meets the requirements of these codes.
- 10.5.2** Visit PSEG Long Island's website at <https://www.psegliny.com/page.cfm/Efficiency/Renewables/NYSun> for additional information on the PSEG Long Island solar program, or call the Energy Efficiency Infoline at 1-800-692-2626.

## **10.6 Carrier Current Systems**

If a customer uses their building wiring for a current carrier system for communication or signaling purposes, the customer shall install suitable filter equipment, or make other provisions approved by PSEG Long Island, to keep LIPA's distribution facilities free from carrier currents produced by their equipment.

**10.7 Electric Vehicle Charging Systems**

**10.7.1** Electric Vehicle Charging Systems is covered by Article 625 of the NEC.

**10.7.2** Please contact PSEG Long Island at 1-800-490-0025 to ensure that your electric account has been assigned the appropriate service classification.