

Town of South Kingstown

Generator Installation Policy

Permit Requirements for Permanent Generator Installation:

- **Mechanical Permit** – for fuel line/tank installation
 - **Electrical Permit** – for installation and wiring of generator
- NOTE:** All application materials to be provided to Electrical Inspector for review prior to issuance of Electric Permit.

Application materials to include:

NOTE: GENERATOR INSTALLATION MUST MEET NEC ARTICLE 705.10 that states "A permanent plaque or directory denoting the location of all electric power source disconnecting means on or in the premises shall be installed at each service equipment location and at the location(s) of the system disconnect(s) for all electric power production sources capable of being interconnected. The marking shall comply with 110.21(B)"

NOTE: If you are installing a whole house generator system, be sure to review Article 250.140 especially exception (3). If the range and/or dryer or similar equipment is wired with an SEU cable, you could be creating a code violation.

1. **Site Plan** – illustrating placement of generator, fuel lines, fuel tanks, electrical trenches etc. Include dimensions from property lines and structures. Note: NFC 37-2 applies unless specified otherwise by manufacturer.
2. Where manual or automatic transfer equipment is connected ahead of the existing service disconnect, a one line diagram showing service entrance conductors, service disconnect, feeder conductors & sub-panel is required to be submitted for review. This diagram shall also indicate bonding and grounding terminations.
3. **Generator Specifications** – illustrating make, model, size and clearances.
 - a. If automatic transfer equipment, provide load calculations per NEC 702.4 B2

Field Inspection Requirements:

1. Electrical and fuel line trenches. After conduits and gas lines are installed, gas lines must be pressurized.
2. Printed installation instructions must be available at time of inspection.
3. Final electrical and mechanical inspection (Note: Electrician must be present at site for final electrical inspection).

Permit Requirements for Portable Generator Installation:

- If the generator is a self contained unit that will not be permanently placed and only requires an electrical connection to the structure, then an electrical permit is all that is necessary.

LPG Installation

Regulator Types:

1. **High Pressure**: Converts tank pressure to approximately 10 PSI (always at tank if used).
2. **Low Pressure**: Converts tank pressure or 10 PSI line pressure to 2 PSI (may be at tank or at point of use).
3. **Dual**: Converts tank pressure to both 10 PSI through one port and 2 PSI through a second port.

Separation Requirements (see illustration)

NOTE: 10' separation between point of fill and point of ignition.
5' separation between pressure relief and point of ignition.