

TOWN OF NEWFAIRFIELD

GENERATOR REQUIREMENTS

NO WORK IS TO BE STARTED WITHOUT A PERMIT IN HAND-Completing an application for a permit is not authorization to begin work. You must wait for your permit to be approved prior to starting any work. If you have questions about the status of your permit, please call the Building Department. A Current Connecticut License and Certificate of Insurance must accompany permit application.

To obtain a permit for the installation of a generator, the applicant shall first file a permit application along with the following information:

Type, make and model of the generator to be installed along with cut/spec sheet and clearance requirements for the generator. Type, make and model of the transfer switch to be installed along with cut/spec sheet.

If an automatic transfer switch is proposed to be installed, **a load calculation is required** in order to show compliance with the capacity and rating requirement of Section 702.5 of the 2017 NEC.

A wiring diagram to show, in detail, the location of the new equipment and the existing equipment, the transfer switch location (*before main or after main*). Wiring method, underground or above ground wiring, types and sizes? Conduit type and size? If a whole house transfer switch is being proposed to be installed ahead of the current main disconnect, details on the grounding and bonding arrangement are to be provided.

If a permanent generator is being installed a **letter of start-up** (on Contractor's Company Letterhead) is required for the final inspection stating the generator has been installed per manufacturer's instructions, and is operating properly.

Estimated Construction Value : needs to include the cost of the Generator, all Service Equipment being installed, parts & labor regardless of who purchased the equipment.

2017 NEC

702.5 Capacity and Rating.

An optional standby system shall have adequate capacity and rating for the supply of all equipment intended to be operated at one time. Optional standby system equipment shall be suitable for the maximum available fault current at its terminals. The user of the optional standby system shall be permitted to select the load connected to the system.

PLUMBING REQUIREMENTS:

Fuel sources to meet the requirements of the Connecticut Gas Equipment and Piping Code and Connecticut Liquefied Petroleum Gas and Liquefied Natural Gas Code.

ZONING: Zoning approval is Required.

FIRE MARSHAL REQUIREMENTS:

Commercial locations and Residential High-Rise locations must be shown on survey or GIS map.

Installation of: *ASME PROPANE TANKS*: requires concrete slab minimum 3 1/2" depth. And Vehicle Protection if necessary, refer to:

NFPA 58, 2011 edition. NFPA37 and 2016 IFC for Installation

ALL Generators on Auto-Transfer must be review by the Fire Marshal.