

# TOWN OF IRONDEQUOIT

Office of the Fire Marshal



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## Residential Standby Generators

### Purpose

This handout was created to aid residents with understanding the permit and inspection process for installing residential standby generators. A residential standby generator must receive its fuel source from a natural gas service supplied from a public utility to the primary residence, or propane for areas without natural gas service.

### Definitions:

**Residential Standby Generators.** A residential standby generator is a stationary back-up power system that operates automatically within seconds of sensing a utility outage and begins to generate and transfer power to circuits within the residential occupancy during such outage. After the utility power returns, the residential standby generator automatically shuts off, returning to a standby mode where it awaits the next outage.

**Listed Appliance/equipment.** An appliance/equipment receives a listing from a third-party testing agency when it meets identified standards and has been tested and found suitable for its specific purpose. An official insignia, marking, or stamp of approval, issued from said third-party testing agency will be displayed on the appliance/equipment and within the manufacturer's installation instructions (UL-Underwriters Laboratory; FM – Factory Mutual; WHI - Warnock Hersey/Intertek, or other).

### Building Permit Application Package to Include:

- A fully completed, Town of Irondequoit, Building Permit Application. Check yes for fire marshal inspection.
- Instrument Survey map (if located on the side of a house with a narrow lot) or google map arial view for large lots if survey map is not available – showing the location of the generator on the property:
  - Generator must be greater than five feet from any openings in the structure (openable windows, doors, vents, other). NFPA 37
  - Generator must be greater than four feet from side and rear lot lines.
  - No combustible materials located within five feet of exhaust (vegetation, structures, fences, decks, other). NFPA 37
  - Generator must be a Minimum five feet from combustible structure **or** listed manufactures allowance. IFGC 616 / UL 2200 / NFPA 37
  - Minimum five feet overhead clearance from any structure (overhang, deck, shrubs).
  - Minimum ten feet from any air intake.
- Natural Gas Appliance Inventory form for residential generator installation – RG&E.
  - Where required by public utility, gas meter upgrade must be completed.
- Copy from Manufacture's listed installation instructions, showing the make, model, listing agency and set-back requirements.
- Permit Fee \$60.00 cash or check made out to the Town of Irondequoit, or credit card payment at the Town Hall)

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## Inspection Process:

Copy of "Electrical Certificate".

Electrical Inspection (Third Party Agency)

- Middle Department Inspection Agency (585) 454-5191
- Commonwealth Electrical Inspection Services (585) 624-2380
- New York Electrical Inspection Agency (585) 436-4460

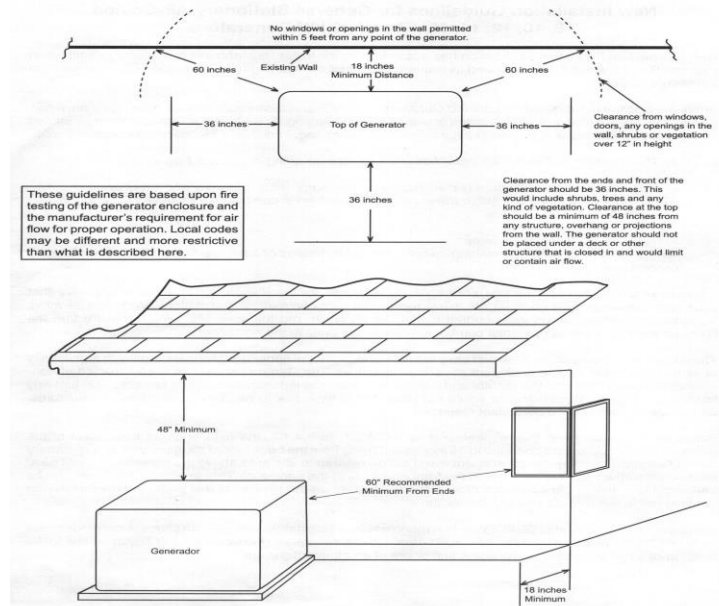
Site Inspection to verify:

1. Minimum set back to side and rear lot line > four feet
2. Set back from main structure > five feet or listed manufacturer's instructions.
3. Gas fuel shut off valve external to generator housing unit.
4. Gas fuel piping is sleeved if it penetrates the foundation wall.
5. Warning decal attached to the electric meter and electric panel.
6. Smoke and CO alarms meet current NYS code requirements.

## Certificate of Compliance:

A Certificate of Compliance will be issued upon successful completion of a final inspection conducted by the Town of Irondequoit. This certificate should be kept with your important papers for the house (mortgage, insurance papers, major appliance warranties.).

Sample diagram from Generac installation manual (Follow your specific manufacturer's instructions)



1280 Titus Avenue - Rochester, NY 14617

Phone: (585) 336-6097 / Fax: (585) 467-4953

Email: [firemarshal@irondequoit.org](mailto:firemarshal@irondequoit.org)