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PERMANENT GENERATOR INSTALLATION INFORMATION
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Permanent home standby generators have become increasingly popular in recent years due to the harsh weather experienced in the great northeast. Building permits are required for these installations; however, some code requirements must be followed to insure a safe installation. Outside generator requirements are regulated by, including but not limited to, the New York State Uniform Fire Prevention and Building Code (Uniform Code) 2015 International Codes, 2017 Uniform Code Supplement, NFPA-70-2014 National Electric Code and other NFPA standard requirements.

- NFPA 70-2014 The National Electrical Code requires that a sign be placed at the service entrance equipment indicating the type and location of on-site emergency generators. This requirement is applicable to all buildings that have an automatic generator transfer switch. It is essential for the protection of emergency personnel and service technicians working on equipment to prevent electrocution.
- Per NFPA 70-2014, a warning sign is to be placed on all structures with a permanent standby generator. Minimum sign size recommended – (6" x 8"). The sign is to be placed at the electrical service entrance, panel box and disconnect indicating the presence of an alternate power source.
- NFPA 853- governs the installation of fuel cell power systems and the fuel tanks which are an integral part of these systems.
- All electrical installation requires an inspection from the town approved electrical inspection agency. Submit proof to the Town of Colonie of electrical inspection when completed.
- Install the generator per manufacturer's installation specifications and pay particular attention to required clearances from the building to prevent fire or carbon monoxide hazards.
- Generators require maintenance and regular operation or "exercising" to insure proper function when needed. Remember to run your generator per manufacturer's recommendation and be considerate of your neighbor. The Town of Colonie has a noise ordinance as follows: No unreasonable noise between the hours of 10 pm and 7 am. Exercising of generators shall not occur during these hours. Operation of generators due to power outages during these hours will be allowed.

OUTSIDE GENERATOR REQUIREMENTS:

That standard is NFPA 37, its requirements limit the spacing of an enclosed generator set from a structure or wall (Figure 1.10).

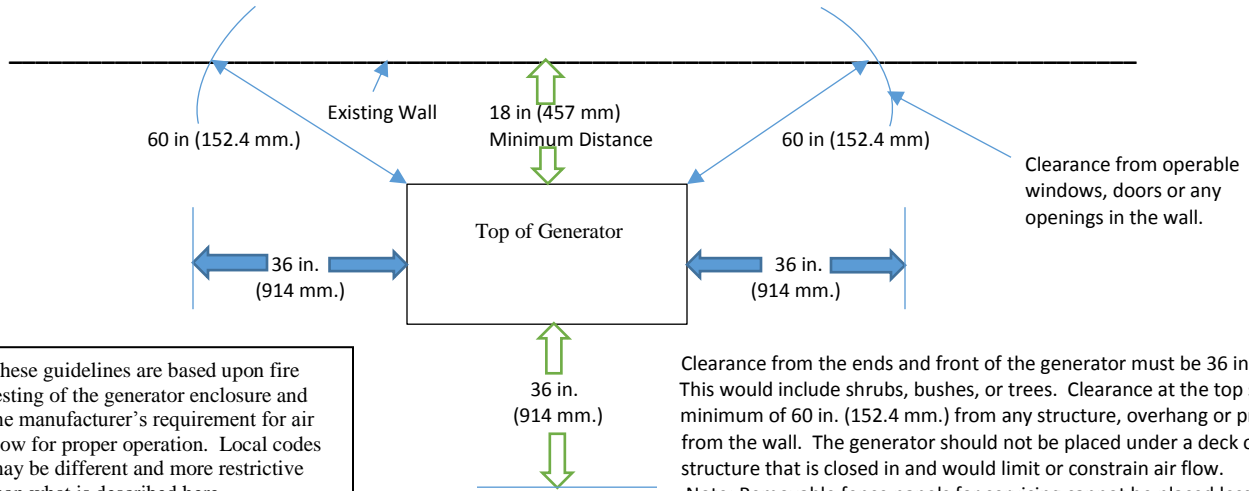
NFPA 37, Section 4.1.4, Engines Located Outdoors: Engines, and their weatherproof housings if provided, that are installed outdoors shall be located at least 5 ft. (1.52 m) from openings in walls and at least 5 ft. (1.52 m) from structures having combustible walls.

A minimum separation shall not be required where either of the following conditions exist:

1. The adjacent wall of the structure has a fire resistance rating of at least 1 hour.
2. The weatherproof enclosure is constructed of noncombustible materials and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure.

PLACEMENT DIAGRAM --- AIR-COOLED GENERATORS

No operable windows or openings in the wall permitted within 5 ft. (1.52 m) from any point of the generator.



These guidelines are based upon fire testing of the generator enclosure and the manufacturer's requirement for air flow for proper operation. Local codes may be different and more restrictive than what is described here.

Clearance from the ends and front of the generator must be 36 in. (914 mm). This would include shrubs, bushes, or trees. Clearance at the top should be a minimum of 60 in. (152.4 mm.) from any structure, overhang or projections from the wall. The generator should not be placed under a deck or other structure that is closed in and would limit or constrain air flow. Note: Removable fence panels for servicing cannot be placed less than 18 in. (457 mm.) in front of the generator.

CAUTION

**STANDBY GENERATOR
AUTOMATICALLY STARTS
DURING POWER OUTAGE**