



EMERGENCY GENERATORS

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Requirements for Permitting and
Installation

(OPTIONAL STANDBY FOR RESIDENTIAL USE)

Emergency generators must be submitted as a package with the following items:

1. Electrical Permit Application.
2. Electrical Riser Diagram showing entire service, including:
 - a. transfer switch.
 - b. all conduit and wire sizes.
 - c. overcurrent protection of generator and equipment.
3. Generator Specifications (usually supplied by the manufacturer). Specifications must provide length, width and height of the generator to be used.
4. Site Plan (survey) highlighting the location of the generator:
 - a. showing exact location of proposed generator (minimum 5' from building openings). Exhaust must be minimum 10' from building openings.
 - b. showing exact location of fuel tank (if applicable).
 - c. providing the dimensions of the distances between the proposed generator/fuel tank and the side and rear property lines (set backs).
 - d. providing verification that generator will be installed at or above base flood elevation plus one foot per FBC 1612.1 or R322.1.

Note: Mechanical equipment and generators cannot be closer than 5' to the property lines and 10' to the water. Equipment can be no larger than 40 sq. ft. in area and 5' in height.

5. A Building Permit Application is required if a slab is to be poured:
 - a. if the slab is existing or "prefab", a building permit is not required.
 - b. the slab must be a minimum of 3.5" thick and comply with standards set forth by 1907.1FBC.
 - c. specifications for generator anchorage for wind loads per 1620FBC.

Note: It is the responsibility of the contractor to verify that the soil bearing capacity will support the slab and generator.

6. If natural or LP gas is used, a Plumbing Permit Application is required from a licensed contractor.
7. Two(2) Isometric Rise Diagrams with plan view:
 - a. showing total length and type of piping and chart used to size gas system.
 - b. showing generator BTU rating.
8. If a non-self contained diesel fuel generator is proposed, a Mechanical Permit Application is required. In addition, the plan showing diesel fuel holding tanks must be approved by EDP.

Note: Portable generators will be reviewed on a case-by-case basis.