

MARGATE BUILDING DEPARTMENT
Permitting Checklist for
Permanent Residential Stand-By Generators
Incorporating Broward County Board of Rules and Appeals Policy #06-03

1. General

- A. Provide 2 sets of site plan or survey indicating location and setbacks of all proposed components
- B. Indicate location of all operable doors, windows, soffit vents, and intakes near generator exhaust. Generator spacing from the building shall meet manufactures specifications from all openings and operable doors, including those of neighbor's house.
- C. The generator shall be mounted above the Base Flood Level, same elevation of First Floor.
- D. Minimum setback from fuel tank to the structure and property line shall be 10 feet.

2. Structural

- A. Submit 2 sets of plans and permit application from Building Contractor showing slab size, depth, and reinforcement to be used.
- B. Provide generator anchoring details size and spacing.

3. Electric

- A. Submit 2 sets of plans and permit application from Electrical Contractor and generator specifications. Plans shall show the Service, Panel(s), Transfer Switch, Main Disconnect(s), Generator installation, Over current Protection, Grounding, Conduit Sizes, and Wire Sizes.
- B. All electric components shall be UL listed.
- C. Provide electric riser diagram.
- D. All loads connected to the Generator shall be identified.

4. Generator

- A. Provide information for the generator showing UL Approval, KW rating, ampacity, voltage, phase, fuel source, and dimensioning.
- B. Identify all loads connected to the generator.
- C. Provide load calculations for the generator. NEC Article 220 shall be used to calculate existing loads.
- D. Where the generator is connected to the load through a cord-and-plug (Exposed metal parts shall be non-current carrying.), the receptacle shall be sized for the corresponding overcurrent protection at the generator or other overcurrent protection device in front of the receptacle.
- E. Generator shall be sized for the load served. NEC Article 220 shall be used to calculate existing loads.

5. Transfer Switch

- A. Required for all generators shall be rated for the connected load

6. Manual transfer Switch: (Options)

- A. Sized for the intended load on the electrical service or
- B. Sized for optional standby panel(s) which may be built into the panel(s) and transfer switch(s)

7. Automatic Transfer Switch; (Options)

- A. Sized to transfer the entire load on the Electrical Service or
- B. Pre-Select the loads to be served with an optional standby panel(s) and transfer switch(s) or
- C. Provide Automatic load shedding equipment to reduce total load imposed on generator.

8. Fuel

- A. Provide 2 sets of piping plans, tank specifications, and gas contractors permit application for remote or supplemental fuel tanks. Piping plan shall include dimensions between gas regulator vents and ignition sources and building openings.
- B. If integral tank, under 10 gallons, is the sole fuel source no piping/tank permit application is required.

9. Signage

- A. A permanent sign shall be placed at the electrical service entrance equipment that indicates the location of on-site optional standby power source
- B. A permanent sign shall be placed at the transfer switch location indicating the sequence of operation to start the generator and transfer electrical loads.
- C. Provide Carbon Monoxide Detectors at all openings within 15' of the Generator Exhaust.