# Generator Permit Check List

**Minimum Generator Submittal and installation Considerations for Permitting of Optional Stand-By Generators Per 2011 NEC 702 For 1&2 Family Dwellings.**

- ☐ **Primary permit application**

A. **Electric:** Electrical contractor is allowed to install the slab for the generator. A separate permit is required for Gas (natural or propane), or for any other fuel tank if required.
B. **Building:** Building permit with a sub electric and a separate permit is required for Gas (natural or propane), or for any other fuel tank if required.
C. **Slab:** A building permit will be required for the slab if the manufactures specifications call for a footer more than 4" thick
D. **Portable Generators: (***This is a generator that is not permanently installed*). Permit not required if no transfer switch used.

**Drawings:**

- ☐ **Site plan:**

Provide a copy of the survey showing the proposed location of the generator. Show generator to be installed a minimum of 5 feet from an opening window, door or other opening to the structure, *(NFPA 37),* excluding the garage. Show distance from building required by manufacture. (*Many air cooled generators are may not be installed closer than 2 ft from a wall to provide cooling.)* Generator may not be installed closer than 2.5 feet from the property line, 0 lot lines will require special review. ***CAUTION*** *There may be other set back regulations relative to your development or community .Review by you architectural board my be required by deed restrictions.* Generator may not be installed in the front yard and must be screened from view.

- ☐ **Slab:**

Show slab size, depth and reinforcement steel if required. Specify anchor details to meet Florida Building Code Requirements. Slap installation my not interfere with normal drainage or divert drainage to neighboring property.

- ☐ **Generator and Transfer switch.**

A. Provide information as outlined in the checklist below.

## RESIDENTIAL GENERATOR PERMITTING CHECKLIST

☐ **Site survey:** Show generator location to be 5 feet from opening windows or doors, excluding the garage.

☐ **Slab Drawing:** Show slab size, depth and type or reinforcement to be used. May not interfere with drainage.

☐ **Riser Diagram:** Provide an electrical riser drawing, complete with service panel(s), transfer switch main disconnect(s) existing load calculation per 2011 NEC art 220.83 and generator installation. Show all conduit sizes.

☐ **Generator:** Provide complete manufacturer's specifications on generator with KW rating (available ampacity of generator) and type of fuel.

☐ **Transfer Switch:** Required for all generators per NEC 702.5. Provide a copy of the manufacturer's specifications. If transfer switch is used as service equipment, make sure that the manufacturer's specifications provided so indicates. A portable generator requires a listed cord and plug connection to building.

☐ **Load Information:**

**A.** Sized for optional standby system per 2011 NEC, Article 702.

**B.** Provide a load calculation. Feeder and service loads to be connected to the generator shall be calculated in conformance with the generator manufacturer's specifications and Articles 220 (standard or optional calculations), 702.4 of the National Electrical Code.

**C.** In addition to a load calculation, provide a general list of the user-selected loads that are **"*intended to be used at one time*."** This requires clear communication with the customer, and is also per manufacturer's instructions and 2011 NEC, Article 702. It is understood that the customer may turn things on and off. The list should be a "worst case" scenario and should be as accurate as possible.

**D.** Add up the loads, showing that the sum is within the generator's capability.

☐ **Sign:** A sign or placard shall be placed at the service-entrance equipment that indicates the location and type of the generator. Per NEC 702.7. This will be checked at inspection.

A) Load calculation. Feeder and service loads to be connected to the generator shall be calculated in conformance with the generator manufacturer's

EXAMPLE