



Generator - Residential Permit Guidelines

(Electrical Transfer Switch)

*LP must be issued before Generator can be issued (for the connection). If LP permit was pulled more than six (6) months ago and is now closed, a new LP permit must be pulled first. This permit is for electric for the transfer switch only.

Electric Contractor or Owner/Builder may apply for permit.

Portable Generator (over the counter): for adding a new connection point only; existing connections/outlet DO NOT require a permit

- Trade application (Electric Miscellaneous permit).
- Owner/Builder Affidavit (if applies)
- Electric Final (040) only.
- The load calculations should be placed on site for the inspection (AMPS usually no more than 1200). These portable generators run on gasoline so the LP portion does not apply.

Fixed Generator (requires Plans Review):

- Miscellaneous application.
- Two (2) copies of site plan showing the following:
 - Location & size of generator (Generators must be located at least 5 ft. from any opening in wall or combustible construction).
 - Location & size of LP tank (if applicable).
 - Load calculations per NEC section 702. If it is a load-shedding transfer switch, then the generator only needs to supply to load governed by the control system and load calculations are required.
 - Specify fuel type (Propane, Gas, Diesel).
- Two (2) copies of the riser diagram and conduit and wire sizes.
- If Diesel, no separate LP tank permit required.
- NOC required if value is \$2500 or greater.
- Owner Builder Affidavit (if homeowner).

Description:

- Fuel type and LP permit number.

Route to: OFFICE USE ONLY

Zoning (POD)
Electric

Processing: OFFICE USE ONLY

- Type: Generator
- Subtype: Residential

Inspections:

- Notice of Commencement (NOC) 10
- Electrical Final (040) 20



Generator - Residential Permit Guidelines (Cont'd)

Fees:

- Generator Permit \$387.00
- Surcharge YES

Expiration:

- Six (6) months

NOTES:

- All Fuel storage to comply with NFPA 30
- Information needed to pass plan review and inspection:
 - Require information about the construction and capacities of switchgear. This can be complied by including the first sections of the manuals for both the generator and transfer switch. That will show capacities, UL rating, NEMA ratings etc. If the transfer switch is going to be used as the first means of disconnect, then it must be rated for service use.
 - Keep the generator exhaust at least 5 feet away from any window that can be opened or doors. Don't vent the exhaust into the soffit. If the building is not fire proof (block construction) then there are other considerations. See NFPA 37.
 - Generator must be securely mounted to a fire proof foundation. This is usually concrete. They do make a UL approved, fireproof, plastic foundation, but then that must be anchored to the ground to comply with the 140 mph wind zone requirements. (Some individuals confuse the shipping pad for a mounting pad. This shipping pad is not an acceptable foundation.)
 - You must maintain the 3ft x 10ft access path to LCEC equipment. See LCEC Meter Installation Handbook for their allowance on the angle of the path.
 - Maintain all NEC equipment work spaces. This should be detailed by the installation instructions.
 - Make sure that all construction documents and the permit are available on site for the inspection.
 - The inspector may require the generator to be run for the inspection.
 - If there is anything that isn't clear to the inspector, the Florida Building Code allows us the authority to require further documentation.
 - Reference NEC 445 & 702