



REGULATIONS GOVERNING
**RESIDENTIAL STANDBY GENERATOR
INSTALLATION REQUIREMENTS**

PINAL COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
BUILDING SAFETY DIVISION
P.O. BOX 2973, FLORENCE, AZ. 85132
85 N. FLORENCE STREET, 1ST FLOOR
(520) 509-3555 FAX (520) 866-6517
www.pinalcountyz.gov

INFORMATION
BULLETIN

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This information bulletin describes the minimum requirements for obtaining a permit for a stationary emergency standby power generator for residential use.

Submittal Requirements

- Site Plan. On this plan, show the dwelling, any accessory structures and location of service panel. Show location of the generator with dimensions to the dwelling. If the generator requires gas piping, show the pipe run; specify the pipe size, material and length from the meter to the generator.
- Propane tanks are on a separate MPE permit. For this permit, provide a site plan locating the tank with dimensions from lot lines and building. Specify the tank size in gallons.
- Generator specifications. The installation manual is not required for plan review. It will need to be on the job site. Specifications for transfer switch, subpanel, controller, etc. if use in the proposal, need to be included.
- An electrical design. The design will include conduit type & size; number of conductors, wire size and type. Provide a panel schedule for any loads to be relocated
- Show your means of grounding/bonding.
- An approval from the electrical company to be included when tying into the electrical panel. In addition, if applicable, the natural gas company approval when tying into the gas meter.

Planning Clearances

- Stationary emergency standby power generators are required to be UL listed. (IFC 1203.1.1)
- You will be required to meet the minimum distances to combustibles (house, fence, shed, etc.) as per the manufacturer's directions for the specific model of generator you are installing. In lieu of such directions, a minimum clearance of 5'-0" will be required. (NFPA 37 4.1.4)
- The generator must be a minimum of 5'-0" from openings in the wall of a dwelling (windows, doors, dryer vent, exhaust fan vent, etc.). (NFPA 37 4.1.4)
- You will be required to meet the minimum clearance to obstructions on both the air intake and exhaust side of the generator as per the manufacturer's instructions specific to your model. (IRC G2406.1)
- The generator must be a minimum of 10'-0" from the fill/vent of any propane tank.
- The generator must be 5'-0" from the vent opening of any gas regulator. If the regulator is located closer than 5'-0" from the generator, the vent may be piped to provide the clearance to the vent opening. The vent opening must be downturned at the end and screened.

Installation Requirements

- The generator shall be installed on a concrete pad or approved base that is a minimum of 3" above the surrounding grade (IRC 1305.1.3.1) or per manufacturer's instructions.
- Gas piping and regulator shall be adequately supported and protected from physical damage. (IRC G2415.9)
- Underground gas piping shall be a minimum of 12" deep (IRC G2415.12) and shall be left exposed for inspection.
- If using plastic underground gas piping, a tracer wire shall be in the trench that terminates above grade at each end. (IRC G2415.17.3)
- The appliance flex connector to be installed per manufacturer's instructions. (IRC G2406.1)
- Place a sign at the service entrance equipment indicating the type and location of the optional standby power source. (NEC 702.7)
- When used outdoors, black iron pipe shall to be painted. (IRC G2414.8)