



RESIDENTIAL BACK-UP GENERATORS

Generators installed as a single-phase back-up source of power for residential applications require a building permit with supporting documents for review. Generators intended for use as the sole source of power, however, shall be designed per the requirements included in Building Safety Policy PE-8.

General:

- All plans and supporting documentation, including manufacturer's specifications, to be submitted electronically in PDF Format.
- One (1) set of plans, minimum sheet size 11" x 17", that are site specific for the project.
- Include panel schedules for all associated panels
- Plans shall be legible and clearly indicate the entire scope of proposed work.
- Additional information, and/or engineering may be required.

Required Documents:

- Single-sheet site plan, minimum sheet size 11" x 17", clearly indicating the location(s) of all equipment. The site plan shall indicate the following:
 - Location of the generator, gas regulator vents, and any other equipment, showing all required clearances per manufacturer's specifications.
 - Indicate location of all panels associated with the generator including main panel, subpanels, and/or critical load panel
 - Identify transfer switch type (auto or manual) and location
 - Identify the type of fuel supply, the distance of the fuel storage to all structures and the location of the fuel storage. If LPG, indicate existing or new tank and the size (gallons) of the fuel storage tank.
- Provide the manufacturer's installation instructions and specifications for ALL system components, such as: disconnects, transfer switches, junction boxes, panel boards, generator platforms, etc.
 - The manufacturer's specifications shall clearly indicate the specific model to be used.
 - The manufacturer's specifications shall include the testing laboratory or agency listing.

NOTE: ONLY RECOGNIZED LISTED AND LABELED COMPONENTS WILL BE ALLOWED.
- A gas isometric diagram for LPG or natural gas lines shall be included, detailing all existing appliance BTU demands and new generator load
- Provide one-line electrical diagram, including grounding, wire size and type, and conduit size and type
- Additional information and/or engineering may be required.

All necessary inspections must be scheduled and passed, including a final inspection, to close out the project.

For back-up generators intended for commercial applications, the requirements of the 2023 National Electric Code, NFPA 70, shall apply.

