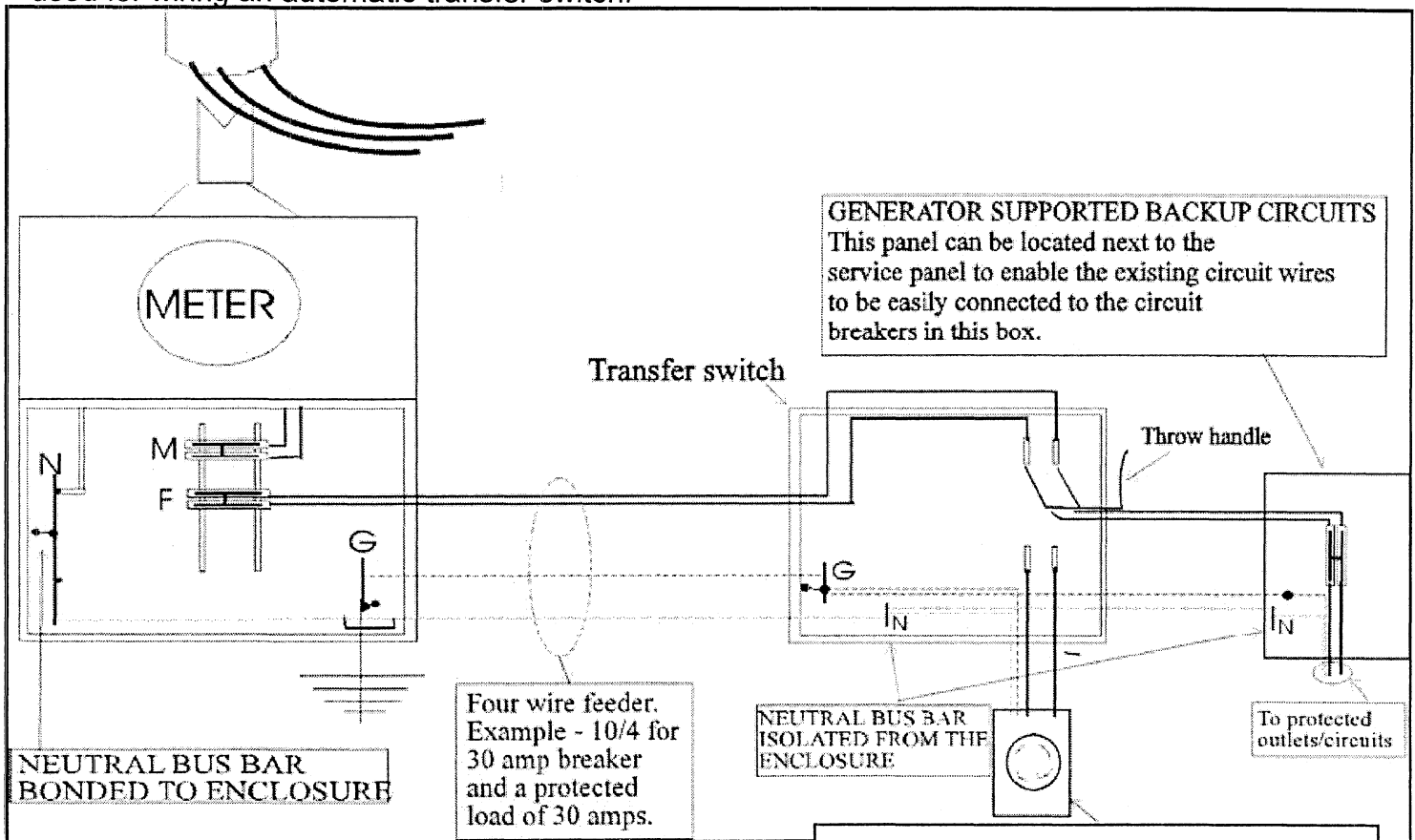


## Sample Installation Backup Generator and Permanent Generator Submittal Checklist (Residential)

This handout is only intended to assist in outlining the general principles for installing a small simple backup generator. It is not a substitute for hiring a qualified licensed professional or to be used for wiring an automatic transfer switch.



The generator needs to be located outside to avoid asphyxiation or listed by an approved agency for other locations. Proper installation is a critical safety issue that includes preventing back-feeding into the utility system. All electrical equipment is required to be listed and rated for the ampacity served. A sign is required at the electrical service indicating the location of the alternate power source. There are many listed transfer switches available including some that have the circuit breakers in the same box for ease of wiring. In addition, many manufacturers of generators sell switches, cords, plugs, and the other related components that you might need and are designed to be used together. For more information visit: <http://www.pge.com/generator/#topic1>.

When not hard-wired, the locking receptacle for connecting the generator needs to match the rated output of the generator. The cord requires a female end to prevent potential shock if it is disconnected while energized.

# Permanent Generator Submittal Checklist (Residential)

All generators must be reviewed to verify code compliance, method of installation, and placement.

- ✓ Building Permit Application; this form must be filled out completely and include the Electrician and Plumber who will be performing the installation of the generator and gas line.
- ✓ Site Plan (5 copies) indicating location of generator, transfer switch, raceway(s), and fuel/gas piping and storage container.
- ✓ Two Copies of the generator manufacturer's installation instructions/specifications.
- ✓ Two Copies of the transfer switch manufacturer's installation instructions/specifications.
- ✓ Two legible sets of a printed or typed scope of work which must include the following:
  - The brand, model, and capacity of the generator to be installed – This information can be obtained from the generators installation manual.
  - The brand, model, and specifications of the transfer switch to be utilized. This can be obtained from the switch manufacturer.
  - Location of generator, transfer switch, raceways, and fuel gas piping to/from the unit as well as the location of fuel tanks etc.
  - Surface or material that the generator will be mounted or placed on.
  - Size dimensions of the generator (length, width, height).
  - If generator is placed inside a structure, specify exhaust system requirements.
  - Size of conductors and size/material of raceway(s) used.
  - Grounding and bonding requirements for separately derived systems.
  - Kilowatts (KW)-Output of generator.
  - Location of electrical disconnect for service of equipment.
  - Type of fuel supply for generator.
  - Size and type of fuel gas supply piping used.