



**Sample Backup Generator Setup
Shasta County
Department of Resource Management
Building Division**

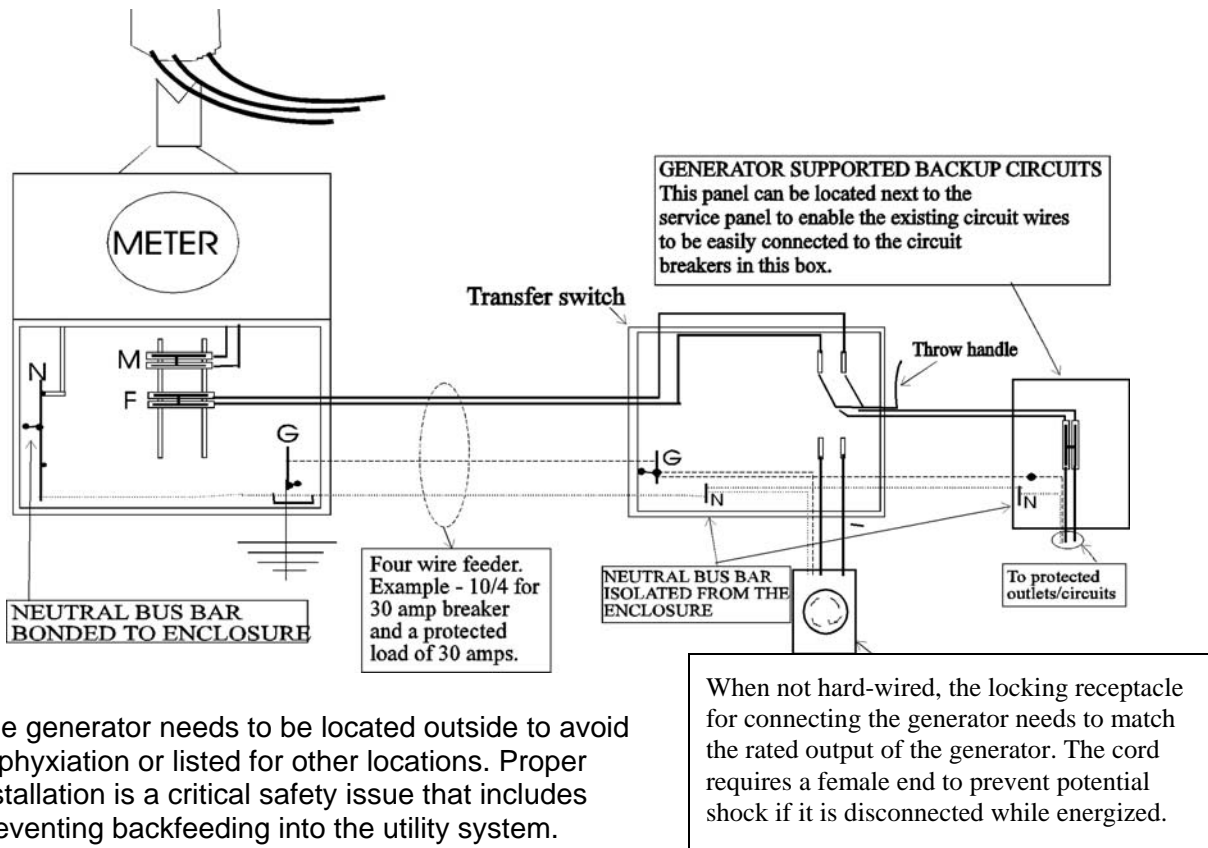
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This handout is only intended to assist in outlining the general principles for installing a small simple backup generator. It is not a substitute for hiring a qualified licensed professional or to be used for wiring an automatic transfer switch.



The generator needs to be located outside to avoid asphyxiation or listed for other locations. Proper installation is a critical safety issue that includes preventing backfeeding 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.

Provide a site plan showing the location of the equipment and an electrical drawing.

See the attached PG&E flyer for more information or visit:

<http://www.pge.com/generator/#topic1>

NOTE ON GENERATOR BONDING: Some generators have the neutral bonded to the ground to comply with OSHA construction site requirements which may cause the generator's GFCI protection to trip the generator's breaker. Contact your dealer or qualified electrician to make the modification if needed.