

2019 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24

Residential Portable Generator Transfer Switch Checklist

The interconnection of a portable generator shall be accomplished through the installation of permanently installed transfer equipment in compliance with Article 702 of the California Electric Code (CEC). The back-feeding of electrical outlets without a permanently installed transfer switch is not permitted.

Manual transfer equipment shall have adequate capacity to supply all the equipment intended to be used at one time.

Transfer equipment and associated power inlets shall be suitable for the intended use and be UL listed.

Applications for Generator Transfer Switches shall include the following:

- (1) Building Permit Application- Form must be filled out completely.
- (2) Copies of transfer switch manufacturers installation instructions/specifications.
- (2) Copies of electrical plans which must include the following:
 - The brand, model, and specifications of the transfer switch to be utilized.
 - A site plan showing the location of all new and existing electrical equipment (main panels, sub panels, disconnects, etc.)
 - An electrical diagram clearly showing proposed wiring methods, conductor/conduit size and types, panel size/rating, and all associated disconnects, junction boxes and applicable information.
 - Identify if PV solar is present in the electrical system. The electrical diagram shall detail the wiring and interconnection of the PV system.

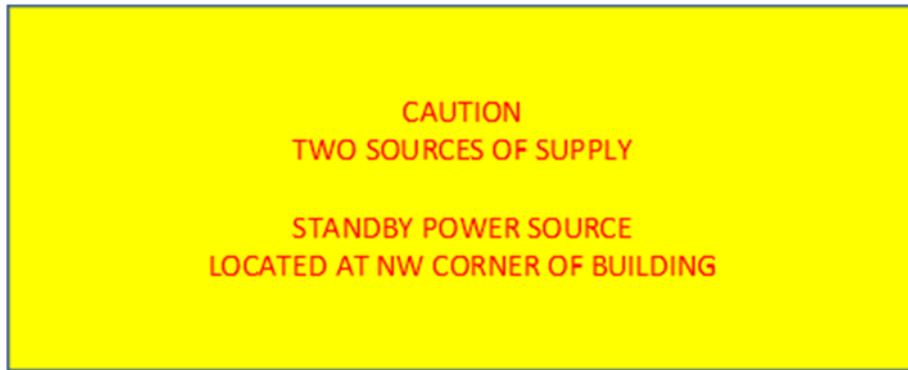
Signage must be installed to comply with CEC 702.7. Permanent labels with contrasting background/lettering, not handwritten and weather resistant per CEC 110.21

*See reverse for specific signage requirements.

Required Signage for Optional Standby Systems (CEC 702.7)

A sign shall be placed at the service entrance equipment that indicates the type and location of each on site optional standby power source.

Example:



Power inlets shall have a sign placed near the inlet to indicate the type of derived system. The sign shall display one of the following warnings:

**WARNING:
FOR CONNECTION OF A SEPARATELY DERIVED (BONDED NEUTRAL) SYSTEM ONLY**

or

**WARNING:
FOR CONECTION OF A NONSEPARATELY DERIVED (FLOATING NEUTRAL) SYSTEM**

*Note: The majority of portable generator manufacturers ship their generators as a nonseparately derived (floating neutral) system. If you are unsure of whether your generator has a bonded or floating neutral, contact the manufacturer or a licensed professional to ensure the safe wiring of your system.