

2019 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24

## Residential Generator Checklist (For Permanently Installed Generators)

The following items are required for a complete submittal. Incomplete submittals will not be accepted.

- (1) Completed Building Permit Application
- (2) Sets of plans with ALL the information below. (minimum size 11x17)
- (2) Copies of installation manuals/spec sheets for the generator and transfer switch.

### Site Plan/Cover Sheet:

- Owner's name/site address/contact information, designer's name/address/signature, project scope, and statement of conformance with applicable 2019 CA codes.
- Identify existing structures and proposed generator equipment.
- Setbacks from the generator to buildings, septic/leach lines, and property lines. Generators require a 5' setback from all building openings per NFPA 37.
- Location, size, and status (new or existing) of propane tanks. Indicate distance from generator propane tank.

### Electrical Single Line Diagram:

- Amperage size and location of main service panels, sub panels, junction boxes, disconnects, or any associated electrical equipment.
- Conductor wiring types/sizes
- Conduit/raceway types/sizes.
- Generator size, brand, model, and output.
- Transfer switch brand, model, type, and location.
- Manual transfer equipment shall have adequate capacity to supply all the equipment intended to be used at one time.
- Automatic transfer equipment shall be capable of supplying the full load that is transferred, or the system shall be designed with load management per CEC 702.4.
- Identify if PV solar is present in the electrical system. The electrical diagram shall detail the wiring and interconnection of the PV system.
- \*Generator shall have provisions to shut down the prime mover per CEC 445.18. Prime mover shutdown on systems over 15 KW shall be externally operable.
- \*Generator systems shall have (1) or more disconnecting means. An additional disconnecting means is required unless the following conditions are met: A readily accessible disconnect lockable in the open position and located within site and 50' of the building served. (CEC 702.12)

### Equipment Pad:

- Provide concrete slab thickness and attachment to generator, or prefabricated pad per ASCE-7

### Gas Lines:

- Provide gas piping diagram showing pipe size, type, depth, length, and all equipment/appliances served.
- If fuel supply to generator is propane and installed above 2500' elevation, an approved detail by a design professional is required to address, propane containment room and propane drains, per Placer County's, *PROPANE APPLIANCE HANDOUT*.

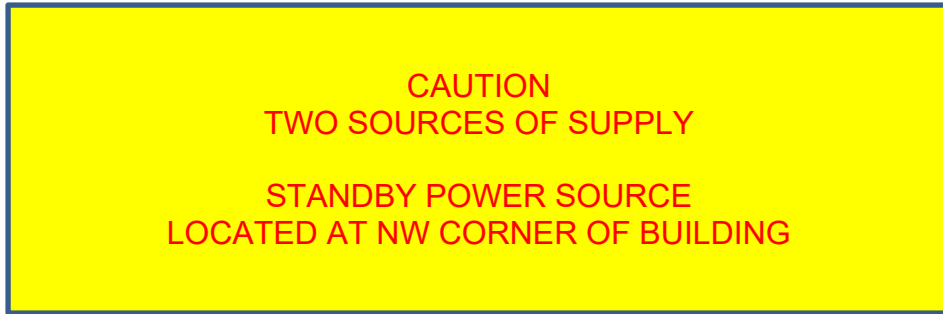
\*

See reverse for generator signage requirements:

Signage:

- A sign shall be placed at the service entrance equipment that indicates the type and location of each on site optional standby power source per CEC 702.7. The sign shall be a permanent label with contrasting background/lettering, not handwritten and weather resistant per 110.21

Example of appropriate signage, placed at the main service panel:



Directory:

- A permanent plaque or directory denoting the source of all electric power source disconnecting means on the premises shall be installed per 705.10.

Example:

