



“Preserving Our Past, Enriching Our Present, Building Our Future”

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2022 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24

Residential Generator Checklist (For Permanently Installed Generators)

The following items are required for a complete submittal.

YES

Is this a digital submittal?

Plans and Documents Required:

- Completed Building Permit Application
- 2 complete sets of plans with ALL the information detailed below (minimum size 11" x 17"), *only 1 if digital*
- 2 copies of installation manuals / spec sheets for the generator and transfer switch, *only 1 if digital*

Site Plan / Cover Sheet:

- Owner's name / site address and APN#/ 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
- Amperage size and location of main service panels, sub panels, junction boxes, disconnects, or any associated electrical equipment
- Setbacks from the generator to buildings, location of water/sewer lines, and property lines (*Generators require an 18" setback from buildings and 5' clearance from all building openings per NFPA 37*)
- Location, size, and status (new or existing) of gas service and plumbing (*Indicate distance from generator to meter*)

Electrical Single Line Diagram:

- Load calculation demonstrating back-up power does not exceed the capacity of the generator
- Conductor wiring types / sizes and 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. *If yes, 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. **SEE REVERSE FOR GENERATOR SIGNAGE REQUIREMENTS**
- 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 per CEC 702.12. **SEE REVERSE FOR GENERATOR SIGNAGE REQUIREMENTS**

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

I understand applications for building permits will be reviewed for plan completeness.

An incomplete submittal package may be returned, and additional fees assessed, for subsequent reviews.

ADDRESS:

APN #:

SIGNATURE:

DATE:

PLACEMENT DIAGRAM — AIR-COOLED GENERATORS

