



# COMMUNITY DEVELOPMENT BUILDING DEPARTMENT

PERMITTING AND PLAN REVIEW DIVISION

## 2021 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.**

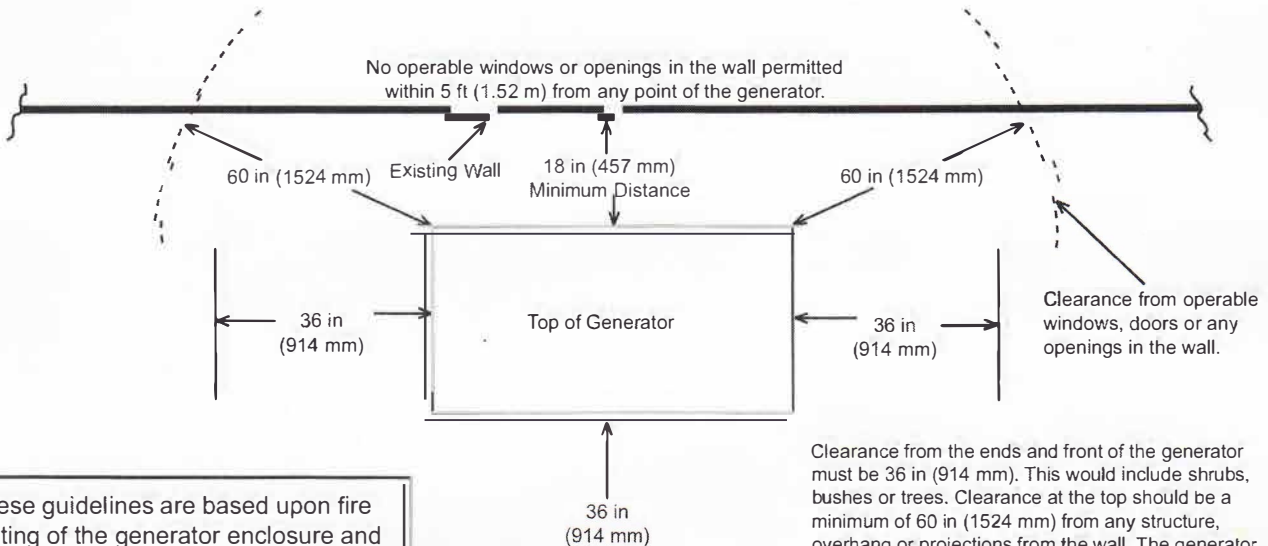
**ADDRESS:**

**APN #:**

**SIGNATURE:**

**DATE:**

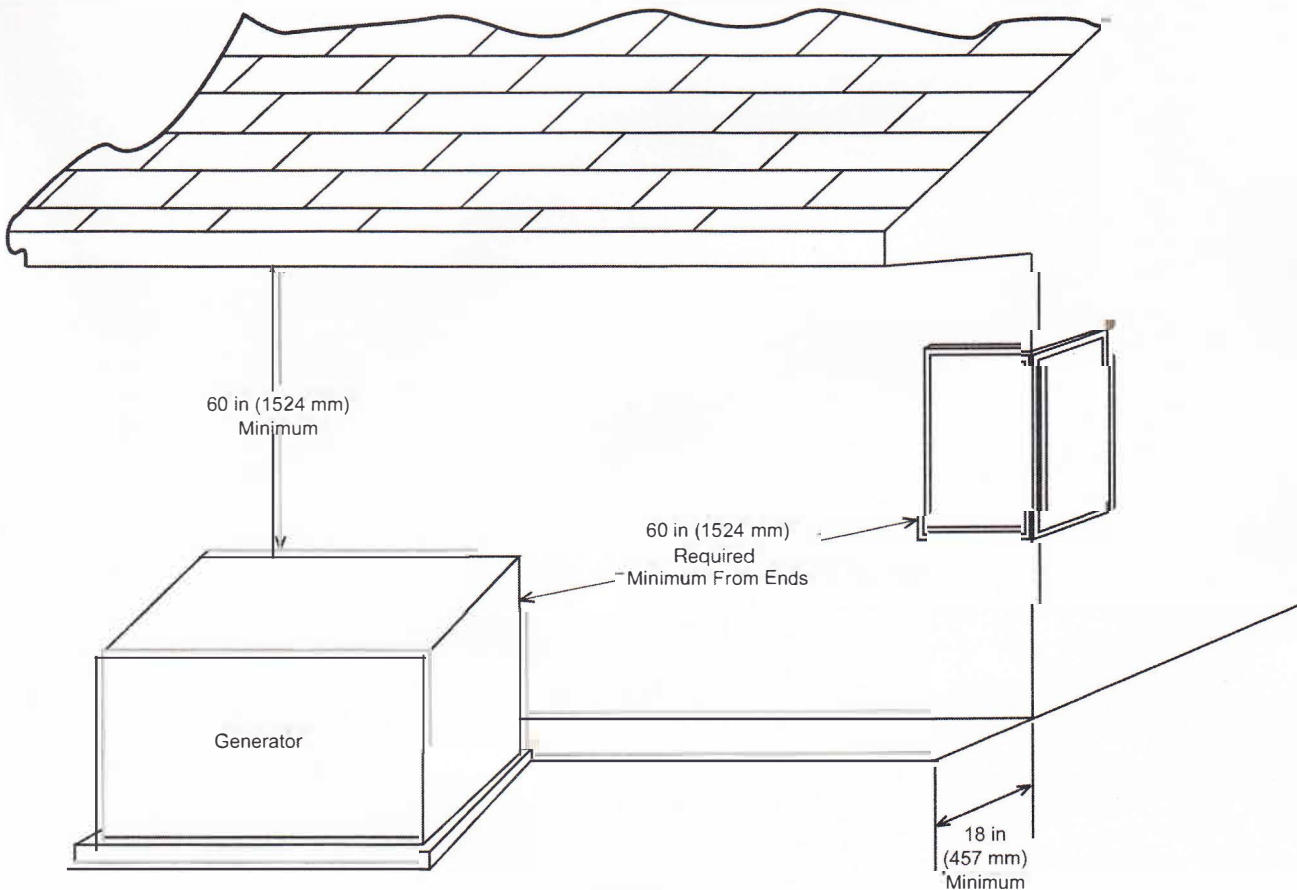
## PLACEMENT DIAGRAM — AIR-COOLED GENERATORS



These guidelines are based upon fire testing of the generator enclosure and the manufacturer's requirement for air flow for proper operation. Local codes may be different and more restrictive than what is described here.

Clearance from the ends and front of the generator must be 36 in (914 mm). This would include shrubs, bushes or trees. Clearance at the top should be a minimum of 60 in (1524 mm) from any structure, overhang or projections from the wall. The generator should not be placed under a deck or other structure that is closed in and would limit or constrain air flow.

**NOTE:**  
Removable fence panels for servicing cannot be placed less than 18 in (457 mm) in front of the generator.



**NOTE:**

The generator can be placed under decks or structures as long as all clearances are met and local building codes are followed.