

EMERGENCY GENERATORS

Various **permits** may be required to be issued before emergency generators are installed. The following list of code issues and plan submittal requirements are to assist those proposing to install emergency generators.

1. Planning/Zoning Requirements:
 - A. Planning Division approval is required when the generator is visible from adjacent property or Public Street, either in a ground-mounted location or on the roof of a building.
 - B. Required parking needs to be addressed if generator is to be located in an existing parking space.
 - C. Noise mitigation must be addressed if the unit is located such that it may create a nuisance to adjacent neighbors.
2. Building Permit: A **building permit** is required when the generator is located inside or attached to a building. See Plan Check Submittal Package Information for details.
3. Fire Department Permit: Requirements are based on the type and amount of generator fuel used. Call the Fire Prevention Counter Technician at (805) 389-9738 for details. You may anticipate a **Fire Department permit** is required for LP gas installations, 60 gallons or more of diesel fuel, 10 gallons or more of gasoline, but not for natural gas installations.
4. Electrical Permit: An **electrical permit** is required for all installations tied into the building wiring. See “Plan Check Submittal Package Information” for details.
5. Plumbing Permit: A **plumbing permit** is required for natural gas or LP gas installations.
6. Air Pollution Control District (APCD): Contact Ventura County APCD Engineering Division at (805) 645-1401:
 - A. When generator is greater than 50 hp, (17 KW) an **APCD permit** is also required.

Plan Check Submittal Package Information: Two complete sets of plans and specifications for all emergency generator installations are required.

1. Plot Plan: Show the location of the generator, the fuel tank if remote, electrical service, building (including landscaping and parking areas). Show the elevation view of the generator enclosure or roof parapet if the equipment is roof mounted.
2. Structural Plan:
 - A. For generators located on grade, specify concrete slab reinforcement and hold down hardware.
 - B. For generators located on the roof provide a roof framing plan, and vertical loading calculations. Include a lateral design of the base connection to the framing for generators over 400 lbs. For generators less than 400 lbs. specify the hold down hardware.
3. Electrical Plan:
 - A. Location of the generator in relation to the electrical service equipment.
 - B. The maximum power in watts (KW) and the applied voltage of the generator.
 - C. Transfer of the backup power to the building electrical system.
 - D. Current ratings of the transfer equipment.
 - E. Manufacturer's listing and installation instructions.
 - F. A single line diagram, stamped and signed by an electrical engineer or an electrical contractor.
4. Plumbing Plan: Provide gas pipe sizing plan for natural gas installations.
5. Manufacturer's Specifications:
 - A. The type of fuel, size of fuel tank, or size of natural gas line.
 - B. The maximum kilowatt (KW) rating and the applied voltage.
 - C. The transfer switch, manual or automatic, and the current ratings (AIC) of the transfer equipment.
 - D. Manufacturer's listings and installation instructions.
6. A copy of the APCD permit, if the unit is over 50 hp (17 KW).

