



Residential Generator Application Guidelines (permanently installed)

General

Application Documents

- Complete a [Development Service Intake Form](#) (permit application)
- Plan review fees are required at the time application and plan submittal
- Permit fees are due after the plans are approved and prior to issuing the permit

Plan Size

- Plans shall be minimum 18" x 24" to maximum 24" x 36"
- Drawings shall be signed by the architect or engineer(s), or by the contractor (electrical C-10 or solar C-46) or by the owner who designed and will install the system

Scope of Work

- Provide a description of the project scope
- Fuel type and quantity or volume

Title Block

- Job Address, owner's name, address, and phone number
- Engineer, contractor, or design professional's name, phone, address, and license number
- Applicable codes

Department of Environmental Health (DEH)

- If the property has an Onsite Wastewater Treatment System (OWTS)/Septic System or an OWTS is going to be installed, clearance from the Department of Environmental Health must be provided.
- Contact DEH for clearance requirements (408) 918-3400, Web: www.EHinfo.org/cpd
- For paper submittals submit 3 original stamped and signed copies of OWTS plans or clearance with your building permit application.
- For electronic submittals provide digital copies (PDF's) of the DEH stamped and approved plans

Note: The purpose for this clearance is to ensure the proper setbacks are maintained between the proposed generator, and its associated equipment, and the existing or proposed OWTS.

Land Development

- Provide a signed copy of the [Minimum Erosion and Sediment Control Standards and Measures form](#)

Planning Department

Site Plan

- Scaled drawing showing the location of the proposed generator equipment and all structures, OWTS tanks and fields
- Provide the distance(s) of the equipment to property lines, existing structures, location of septic tank and drain field as constructed, well(s), driveway, include a north arrow for geographic reference
- Provide an elevation detail with the generator height and width

Electrical

Line diagram

- line diagram showing the complete electrical system
- include all equipment in the electrical system, bus ratings, and breaker sizes
- make and model of the generator and transfer switch, and any other sources of power to the premises wiring system.
 - Indicate whether the generator will be supplying the full load of the dwelling (provide electrical service load calculations)
- OR
 - Provide documentation to show how loads will be managed (Provide documentation on load management modules to be installed in the ATS)
- Provide the types and sizes of all conductors and raceways, new and existing, that are related to the proposed generator installation
- Grounding details if applicable (separately derived systems with three pole transfer switches)
- Provide spec sheets for all proposed equipment

Power Plan

- Show the locations of all electrical equipment

Structural (required for equipment 400lbs or greater)

- Engineered stamped details for anchorage and concrete pad construction

Plumbing/Mechanical

- Provide plumbing drawings showing the location of the fuel source and gas pipe sizing calculations

Fire Marshall's Office ** (All underground tanks require Fire review) **

Fuel limits for above ground tanks If the fuel quantities exceed the limits of the California Fire Code, a note should be added indicating that the deferred submittal will be submitted to County Fire Marshal's Office for review after the generator permit is issued by the Building Department

- Diesel (Class II Flammable and Combustible Liquid) 2019 CFC 105.6.16
 - Inside a building: >25 gallons
 - Outside a building: >60 gallons
- Propane (Liquified Petroleum Gases) 2019 CFC 6101.3
 - Single container: >2,000 gallons
 - Multiple containers: >4,000 gallons