



Residential Generator Application Guidelines

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
- All plan sheets to be submitted in a single PDF document file

Cover Sheet

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

Electrical

Line diagram

- line diagram showing the complete electrical system (include generator and switch make and model information on the line diagram)
 - include all equipment in the electrical system, bus ratings, and breaker sizes
 - 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)

Power Plan

- Show the locations of all electrical equipment and structures where they are located and/or serving

Photos and Documentation

- Provide clear color photos of the electrical service equipment with the dead front cover in place and removed.
- Include photos of the service equipment panel label to show the bus rating, types and rating of over current protection devices (breakers)
- Where the meter socket is not integrated to the service equipment include an overall photo to show how the service equipment is configured
- Provide spec sheets for all proposed equipment

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

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

Land Development

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

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.

Sample Electrical Line Diagram

