



Residential Generator Plan Submittal Checklist

Purpose

This handout summarizes the requirements for a complete plan review submittal for a new residential generator. The following guidelines shall be reviewed before commencing any work.

Additional Agency Approvals

Planning

Contact the **Planning Division** at (530)552-3701 for setback and noise requirements.

Plan Submittal

Complete plans and documents may be submitted directly to the Building Division counter between 8:00 am to 4:00 pm, Monday through Friday (Wednesday's hours are 8:00 am to 3:00 pm) or by email to dsbuilding@buttecounty.net.

- Two (2) complete sets of plans. At least two sets must be signed by the designer (1 set if submitting digitally)
- Complete permit application.
- Plan check fee payment.

Cover Sheet and / or Site Plan

- Job address / name and address of owner, contractor and contact person / address, phone number, title of designer / description of work / applicable codes / etc.
- Identify location of all existing structures and the proposed location of the new equipment: propane tank, generator, transfer switch, panels, etc.
- Provide setback dimensions from the new generator and propane tank to property lines and other existing structures within the parcel.
 - o Setbacks from generators to structures are 5 feet per NFPA 37, and 10 feet to air intakes, or per manufactures installation instructions. The most restrictive applies.
 - o Propane tanks setbacks to structures, property lines, and generators are per CFC Table 6104.3. 5 feet for tanks under 125 gallons, 10 feet for tanks 125-500 gallons, unless DOT approved.

Electrical Plans

- Single line diagram that includes the following:
 - o Amperage size and location of all panels.
 - o Grounding conductor types and sizes.
 - o Disconnect types, sizes and locations.
 - o Conduit and conductor types and sizes from the generator to transfer switch and to panel.

- Indicate how the utility service lines will be protected against back feeding from the generator.
- Electrical load calculations for the structure the generator is serving (for off grid systems only).
- Identify required signage for disconnects, transfer switches, etc.
- Specification sheets for all electrical equipment.
- Installation manual for the generator.
- If generator is installed inside a structure:
 - o It shall be listed for interior installations.
 - o Specify ventilation and exhaust system.

Plumbing Plans

- Provide a gas line plan including the following:
 - o Gas pipe type and size.
 - o Gas pipe length from meter/tank to each appliance/equipment it serves.
 - o Demand in BTU's for all equipment/appliances served by the gas line.

Structural Plans

- Provide anchorage details for all new equipment. If the equipment weighs more than 400 pounds, foundation/anchorage plans shall be signed and stamped by a registered design professional (Engineer or Architect); or provide anchorage details per the manufactures specifications.

Flood Zone Verification

- Complete two elevation certificates if proposed equipment is within a flood zone.

Permit Issuance

- The following will be required at time of permit issuance:
 - o Outstanding building fee payment.

One set of approved plans will be returned to the applicant to be maintained at the job site until the final inspection has been approved. The Building Division will keep a second set on file. (If submitted digitally, a copy of the approved plans will be emailed to the applicant and must be printed in color for the inspector)

Questions

Contact the **Building Division** at (530) 552-3700 for inquiries on plan check and building fee.