



ROANOKE COUNTY COMMUNITY DEVELOPMENT  
Office of Building Safety

Residential Generator Guide



**This guide is designed to assist the applicant with the installation and inspection requirements for the project.** Please address any questions to the Permit Techs at (540) 772-2065.

**Part 1 – Application, Site Plan and Related Documents**

- Completed Permit Application
- Plot/site plan
- Proof of Ownership (if not current in property records)
- Owner's Affidavit completed on permit application if Owner Permit
- Contractor's License, when required
- County Business License, when required

**Part 2 – Construction Documents to be onsite during inspections**

- Generator installation instructions from the manufacturer.
- Manufacturer specification documents on all equipment to be installed.
- System Description (Chapter 7 NEC-2019) – Identify if the generator will be providing Full Load or Load management power.
- Method for Preventing “Back Feeding” – Identify if the generator will have an automatic or manual transfer switch.
- Gas line installed per code, natural gas or propane
- Signage installation (Chapter 7 NEC-2019)

**Inspections Required during generator Installation**

1. Gas line Inspection (running a new gas line)
2. Final Mechanical (when gas line is attached to the generator and ready to be started) **(after Gas line inspection)**
3. Final Electrical (generator must be operational during the final inspection to ensure all equipment functions)

***The two final inspections required (2,3) can be completed on the same day.***

