



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-2017) – 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-2017)

Inspections Required during generator Installation

1. Gasline Inspection (running a new gasline)
2. Final Mechanical (when gasline is attached to the generator and ready to be started)
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.

