

## **Submittal Requirements for Residential Backup Generator Permit**

**NOTE: PORTABLE GENERATORS THAT ARE SIMPLY USED WITH EXTENSION CORDS AND NOT PERMANENTLY-ATTACHED TO A STRUCTURE DO NOT REQUIRE A PERMIT**

1) **General;** Provide a 2 copies of the manufacturer's specifications/installation instructions.

2) **Site plan (provide 3 legible copies)** must include the following;

a) Distance from generator to combustible construction. (Structure and vegetation).

*Note: Typically, 5' – check manufacturer's specifications.*

b) Distance from generator to property line(s). (30" minimum)

c) Distance from the generator to any operable doors or windows.

*Note: Minimum 5' must be shown on site plan.*

d) Location of trench for gas line. (if applicable)

e) Location of trench for electrical conduit(s). (if applicable)

Site plan Example: <https://srcity.org/DocumentCenter/View/2289/Residential-Site-Plan-Example-PDF>

Building Permit Application: <https://srcity.org/DocumentCenter/View/2614/Building-Permit-Application-PDF>

3) **Fuel Gas requirements (Natural Gas or Propane);**

a) BTU requirements of the generator.

b) Calculations for extension of gas piping.

c) Location of gas shut-off valve and sediment tube.

*Note: If generator is fueled-by Gasoline, Diesel or Propane, maximum-allowed amounts are 10, 50, and 25 gallons respectively. If stored fuel is in-excess of these amounts – a separate permit is required from SRFD.*

4) **Electrical requirements;**

a) Electrical line diagram showing;

1) Generator (rating).

2) Inlet box (if applicable).

3) Disconnect.

4) Lockout device, manual transfer switch or automatic transfer switch.

*Note: All manual devices must be listed for the panel on-which they are installed.*

5) Conductor sizing throughout.

6) Grounding.

7) Signage at main service panel (Signage must indicate location and type of power source).

5) **Contractor requirements;**

a) Fully self-contained (natural gas or propane gas line not required); Owner/ builder or Electrician.

b) Permanently installed with gas line modifications; Addition/Alteration Permit, can be issued as Owner/ builder, General "B" license, Electrician or Plumber providing they include the name of the subcontractor doing the trade they are not licensed for.

6) **What inspections may be required?**

a) If the manufacturer has specific requirements for a concrete pad (thickness and rebar size and spacing), we would be inspecting a #107 (structural slab).

b) Underground electrical conduit (#153).

c) Underground gas line (#138).

d) Gas test (#136).

e) Final electrical (#190).

f) Permit final (#195).

g) Potentially, inspections "a, b, c and d", could be done at the same time (trip #1).

h) Inspections "e and f", could be done at the same time (trip #2).

i) If a separate inspection is required for the concrete pad, then a third trip would be required.