

## Temporary Generator Template

### Requirements:

1. This template is for temporary generators that are greater than 5 kW and less than or equal to 15 kW. Temporary generators greater than 15 kW will require full plan review. (5 kW or less does not require an event permit.)
2. Three Copies of a fully dimensioned plot plan for the site showing the location of the temporary generators distance to existing or proposed structures, and property lines.
3. **Markings:** Generator shall be provided with a nameplate giving the manufacturer's name, the rated frequency, the number of phases if ac, the rating in kilowatts or kilovolt-amperes, the power factor, the normal volts and amperes corresponding to the rating.
4. **Protection of Live Parts:** Live parts of generators operating at more than 50 volts ac or 60 volts dc to ground shall not be exposed to accidental contact where accessible to unqualified persons.
5. **Ground-Fault Circuit-Interrupter Protection:** Receptacle outlets that are a part of a 15 kW or smaller portable generator shall have listed ground-fault circuit-interrupter protection (GFCI) for personnel integral to the generator or receptacle as indicated in either (a) or (b)
  - a. **Unbonded (Floating Neutral) Generators:** Unbonded generators with both 125 volts and 125/250-volt receptacles outlets shall have listed GFCI protection for personnel integral to the generator or receptacle on all 125-volt, 15 and 20 ampere receptacle outlets.
    - i. **Exception:** GFCI protection shall not be required where the 125-Volt receptacle outlet(s) is interlocked in such that it is not available for use when any 125/250-Volt receptacles(s) is in use.
  - b. **Bonded Neutral Generators:** All 125 volt and 125/250-Volt, single-phase, 15, 20, and 30 ampere receptacle outlets that are a part of a 15 kW or smaller portable generator shall have listed ground-fault circuit-interrupter protection for personnel.
    - i. **Exception to (a) and (b):** If the generator was manufactured or remanufactured prior to January 1, 2015, listed cord sets or devices incorporating listed GFCI protection for personnel identified for portable use shall be permitted.

### Temporary Generator Specifications:

1. **Number of temporary generators:** \_\_\_\_\_ of \_\_\_\_\_
2. **Voltage of temporary generator:** \_\_\_\_\_
3. **Wattage Needed for Event:** \_\_\_\_\_ Watts X 1.25 = \_\_\_\_\_ Total Wattage
4. **Size of temporary generator needed for event:** \_\_\_\_\_ Total Wattage/1000 = \_\_\_\_\_ kW
5. **Size of temporary generator provided:** \_\_\_\_\_ kW

Minimum Conductor Sizing per Generator Receptacle Outlet	
Receptacle Outlet (Amps)	Minimum Conductor Size (AWG)
15	14
20	12
25-30	10
35-50	8
60	6

Tapped Conductors shall not be permitted for portable generators rated 15 kW or less where field wiring connection terminals are not accessible.

### Example of Temporary Generator Specifications:

1. **Number of temporary generators:** 1 of 1
2. **Voltage of temporary generator:** 125 and 125/250-Volt
3. **Wattage Needed for Event:** 9,000 watts X 1.25 = 11,250 Total Wattage
4. **Size of temporary generator needed for event:** 11,250 Total Wattage/1000 = 11.25 kW
5. **Size of temporary generator provided:** 12 kW