



**ENFORCEMENT PROVISIONS FOR OPTIONAL STANDBY SYSTEMS  
 NEC ARTICLE 702 AS APPLIED TO  
 RESIDENTIAL FIXED GENERATOR SYSTEMS**

1. All transfer switches shall be rated equal to or greater than the Service Disconnecting Means rating when they are carrying the entire service load. When connected to an emergency panel they shall be rated equal to the emergency panel.
2. If an automatic transfer switch is utilized without the use of an emergency panel with selected loads, the generator will need to be full sized to carry the calculated load in according with NEC Article 220. \* See note 1
3. If a Manual Transfer Switch is used then selected loads may be chosen and identified for use when the generator is in operation, without the use of an emergency panel.
4. Transfer switches and proper receptacles will be permitted and inspected for portable generators with a listed cord set.
5. The Building Inspection Department will not Permit or inspect portable generators that are not designed for cord connection to a proper receptacle outlet and transfer switch.
6. All load calculations for generator sizing shall be obtained by using the requirements of NEC Article 220.
7. Wiring diagram required.
8. Generator specifications required.

**OPTIONAL STANDBY SYSTEMS----NEC ARTICLE 220, 445, 702  
 FIXED GENERATOR SYSTEMS**

**Generator Size (WATTS):** \_\_\_\_\_

**Transfer Switch:**             Automatic     Manual

**Automatic Transfer Switch:** Provide calculated load to be utilized: \_\_\_\_\_ Amps.

When connected to a transfer panel the automatic transfer switch shall be rated equal to the transfer panel.

**Manual Transfer Switches:** Selected loads may be chosen and identified for use when the generator is in operation, without the use of a transfer panel.

**Transfer switches and proper receptacles** will be permitted and inspected for portable generator with a listed cord set.

**Fuel Source:**             Existing         New    (separate gas/piping permit required)

**Fuel Source Type:**     Gasoline        Propane     Diesel        Natural Gas

**Notes:**

Optional Fixed Generator Systems and Fuel Storage Tanks must meet all applicable local, state and federal code related requirements. Machinery and Equipment servicing the building must meet the minimum elevation requirements and zoning setback requirements