

Appendix A

For Isolated Operation (Break-before-Make); Permanent Generator

As a general rule for “Non-Utility Generator” installations, **The following Notes shall be included and shown in the electrical drawings (General Arrangement Drawing, Electrical One Line Diagram, etc.) submitted for SVP Electric Department review:**

Notes (General Requirements for Non-Utility Generator Installations):

1. This Non-Utility Generator installation is not approved for parallel operation with SVP Electric Utility.
2. The “Non-Utility Generator” installation shall be connected to the utility with an Automatic Transfer Switch designed/intended for a “Break-Before-Make” mode of operation.
3. The Automatic Transfer Switch shall have a failsafe interlock mechanism that blocks source-to-source interconnection and prevent the Non-Utility Generator to run and operate in parallel with the SVP Electric Utility source.
4. The installation shall have a visible sign in front of the Automatic Transfer Switch Control with the following information clearly visible to the operator:

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| <p><u>CAUTION</u></p> <p>Do not by-pass or operate the “Automatic Transfer Switch” to run or operate the Non-Utility Generator in parallel with the SVP Electric Utility source</p> <p>This “Non-Utility Generator” is not an approved installation for operating in parallel with the Electric Utility Source.</p> |
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Table 1- Break-Before-Make Permanent Generator Caution Stamp

5. A return to utility time delay minimum setting of TEN MINUTES is recommended to keep the load on the generator set until a stable utility line is present. This switching operation shall be “Break-Before-Make” mode of transfer operation.
6. All switching operations shall be “Open-Transition-Mode” only.
7. The extent of SVP’s review is limited only to the operational aspects of the design to be in compliance with the Utility’s non-parallel generator interconnection.

For Isolated Operation (Break-before-Make); Portable Generator

As a general rule for “Non-Utility Generator” installations, **The following Notes shall be included and shown in the electrical drawings (General Arrangement Drawing, Electrical One Line Diagram, etc.) submitted for SVP Electric Department review:**

Notes (General Requirements for Non-Utility Generator Installations):

1. This Non-Utility Generator receptacle installation is not approved for parallel operation with SVP Electric Utility.
2. The “Non-Utility Generator” installation shall be connected to the utility with a Manual Transfer Switch designed/intended for a “Break-Before-Make” mode of operation.
3. The Transfer Switch shall have a failsafe interlock mechanism that blocks source-to-source interconnection and prevent the Non-Utility Generator to run and operate in parallel with the SVP Electric Utility source.
4. The installation shall have a visible sign in front of the generator receptacle or Manual Transfer Switch Control with the following information clearly visible to the operator:

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| <p style="text-align: center;"><u>CAUTION</u></p> <p style="text-align: center;">Do not by-pass or operate the “ Transfer Switch” to run or operate the Non-Utility Generator in parallel with the SVP Electric Utility source</p> <p style="text-align: center;">This “Non-Utility Generator” is not an approved installation for operating in parallel with the Electric Utility Source.</p> |
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Table 2 - Break-Before-Make Portable Generator Caution Stamp

5. A return to utility time delay minimum setting of TEN MINUTES is recommended to keep the load on the generator set until a stable utility line is present. This switching operation shall be “Break-Before-Make” mode of transfer operation.
6. All switching operations shall be “Open-Transition-Mode” only.
7. The extent of SVP’s review is limited only to the operational aspects of the design to be in compliance with the Utility’s non-parallel generator interconnection.

For Parallel or Momentary Parallel;

The installation shall have a visible sign in front of the Automatic Transfer Switch Control with the following information clearly visible to the operator:

Refer to SD1631 "Engineering & Operating Requirements for the Interconnection of Generating Facilities"

CAUTION

Customers must not interconnect their Generating Facility with SVP's distribution facilities until they receive written authorization from SVP. Unauthorized interconnections could result in injury to persons and/or damage to equipment and/or property for which the Customer may be liable.

408.615.5640

Table 3 - Parallel Operation Caution Stamp