Procedure for Testing of Electrical Components Greater Than 600 Volts for PV Generating plants

All electrical components operating at a voltage in excess of 600 volts shall be inspected by an independent third party inspection company unless approved by the County of Sacramento Building Official.

Contractors performing the testing shall be a third party testing company which is listed on one or more of the recognized lists below, the contractor shall be currently on the list (as an approved testing company) at the time of submittal of any testing reports pertaining to the electrical components of the project to the County of Sacramento Building Official (BO).


Report Submittals

Test reports, findings or documentation conducted by the third party inspection company must inform the County of Sacramento Building Inspection (BI) as to which of the organization(s) they belong (OSHA, NETA or ANSI).

All test reports, Summary Letters, findings or documentation shall contain:

1. The name of the company that is performing the test, providing or preparing the reports, findings or documentation.
2. The name(s) of the personnel performing the tests, preparing the reports, findings or documentation.
3. The permit number as provided by BI on all documentation.
4. The address of the project on all documentation.
5. The date when the documentation was completed.
Test data that is to be provided to the County of Sacramento BI:

1. All test results performed or provided for the project.
2. All tests required by industry standards for the electrical component being tested.
3. All tests required by the owner(s) of the system.
4. All tests required by the contractor(s).
5. All tests required by the utility provider.

- All test reports shall be forwarded along with a **Summary letter** of the results to the BO for review when all tests have been completed satisfactory.
- The BO will review the test results to verify that all tests have been witnessed by the testing company’s personnel from one of the three lists (see above).
- The BO will verify that all of the test results are shown as passing each test.
- The independent third party inspection company shall provide a **Summary letter** to the BO which includes language that pertains to:
  1. The testing of all components on the project that operate at a voltage that exceeds 600 volts has satisfactorily passed all testing and observation without any discrepancies.
  2. Include what testing procedures were used to test the components on the project.
  3. List the organization to which you belong that qualifies you as an independent third party inspection company.
- The C.B.O. will then authorize that an electrical meter tag can be issued, as long as all other conditions on the project are met.