



Interconnection Commissioning

Advanced Energy's Interconnection Commissioning program is an established, turnkey program that helps utilities protect the power quality, reliability and safety of the utility grid by ensuring the safety and dependability of distributed energy resource (DER) facilities connected to the grid.

The Interconnection Commissioning process verifies whether the DER facility complies with the documentation on file with the utility and all relevant codes and standards. This includes review of the facility as-built construction for compliance with documentation studied and approved by the utility, assessment of the facility's AC construction to ensure it is built to quality standards, verification of interconnection equipment settings, and conducting three-phase and single-phase cease to energize testing.

Advanced Energy works with utilities to implement Interconnection Commissioning as a requirement for DER facilities interconnecting to the utility grid. The Interconnection Commissioning process occurs prior to the site gaining a Permission to Operate letter, and the primary cost of Interconnection Commissioning is passed along to the DER facility, similar to a system upgrade cost.

The following process is an established method that Advanced Energy has created to protect the power quality, reliability and safety of the grid:

1. DER Contacts Advanced Energy

The DER facility contacts Advanced Energy prior to estimated completion of the construction.

2. Site Documentation Review

Advanced Energy reviews site documentation for consistency and correctness.

3. Interconnection Inspection

Advanced Energy inspects construction quality to relevant codes and standards.

4. Engineering Report

Advanced Energy documents all required corrections identified during the inspection.

5. Commissioning Test

Advanced Energy confirms inspection corrections are complete, reviews and documents interconnection equipment settings, and performs single-phase and three-phase cease to energize testing.

6. Permission to Operate Letter

Once the DER facility meets all Interconnection Commissioning requirements and any other utility requirements, the utility issues a Permission to Operate letter.