1. Project is 2 MW or less and meets Attachment 3 & 4 criteria (attached)

2. SDG&E notifies IC of IR, documentation of site control, and $500 non-refundable deposit receipt (3 BD)

3. SDG&E notifies IC IR is complete or incomplete (10 BD)

4. IC to provide information listed on incomplete notification or request extension of time to provide information (10 BD)

5. Initial IR review and notify IC if project passes Fast Track screens and provide copies of PTO analysis and data underlying determination (15 BD)

6. Interconnection passes screens
   - IR approved and PTO provides executable IA (5 BD)

7. Interconnection fails screens
   - PTO determines facility may still be interconnected consistent with safety, reliability, and power quality standards, PTO provides executable IA (5 BD)
   - IC willing to consider PTO determined minor modifications or further study required, PTO offers to schedule Customer Options Meeting (10 BD)

8. Customer Options Meeting scheduled (10 BD). At meeting, PTO shall:
   - Offer to perform facility or minor electric system modifications and provide non-binding good faith estimate of associated costs; or
   - Offer to perform Supplemental Review if PTO concludes interconnection could continue to qualify pursuant to Fast Track Process and provide non-binding good faith cost of review; or
   - Obtain IC’s agreement to continue evaluation under Section 3 Study Process.

9. IC agrees to Supplemental Review, if required, and submits deposit of estimated costs (15 BD)

10. Supplemental Review completed (10 BD) with following outcome:
    - Yes - PTO forwards executable IA to IC if positive determination (5 BD)
    - Yes w/ IC facility modifications – PTO forwards executable IA after IC agrees to pay cost of changes (5BD)
    - Yes w/ IC paid electric system modifications – PTO forwards executable IA after IC agrees to costs prior to interconnection (10 BD)
    - No – IR will continue to be evaluated under SGIP Section 3 Study Process

11. Invoice/Refund due for actual cost of Supplemental Review (20 BD)
Certification Codes and Standards

IEEE1547 Standard for Interconnecting Distributed Resources with Electric Power Systems (including use of IEEE 1547.1 testing protocols to establish conformity)

UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems

IEEE Std 929-2000 IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems

NFPA 70 (2002), National Electrical Code


IEEE Std C62.41.2-2002, IEEE Recommended Practice on Characterization of Surges in Low Voltage (1000V and Less) AC Power Circuits


ANSI C84.1-1995 Electric Power Systems and Equipment – Voltage Ratings (60 Hertz)

IEEE Std 100-2000, IEEE Standard Dictionary of Electrical and Electronic Terms

NEMA MG 1-1998, Motors and Small Resources, Revision 3

IEEE Std 519-1992, IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems

NEMA MG 1-2003 (Rev 2004), Motors and Generators, Revision 1
Certification of Small Generator Equipment Packages

1.0 Small Generating Facility equipment proposed for use separately or packaged with other equipment in an interconnection system shall be considered certified for interconnected operation if:
   (1) it has been tested in accordance with industry standards for continuous utility interactive operation in compliance with the appropriate codes and standards referenced below by any Nationally Recognized Testing Laboratory (NRTL) recognized by the United States Occupational Safety and Health Administration to test and certify interconnection equipment pursuant to the relevant codes and standards listed in SGIP Attachment 3, (2) it has been labeled and is publicly listed by such NRTL at the time of the interconnection application, and (3) such NRTL makes readily available for verification all test standards and procedures it utilized in performing such equipment certification, and, with consumer approval, the test data itself. The NRTL may make such information available on its website and by encouraging such information to be included in the manufacturer’s literature accompanying the equipment.

2.0 The Interconnection Customer must verify that the intended use of the equipment falls within the use or uses for which the equipment was tested, labeled, and listed by the NRTL.

3.0 Certified equipment shall not require further type-test review, testing, or additional equipment to meet the requirements of this interconnection procedure; however, nothing herein shall preclude the need for an on-site commissioning test by the parties to the interconnection nor follow-up production testing by the NRTL.

4.0 If the certified equipment package includes only interface components (switchgear, inverters, or other interface devices), then an Interconnection Customer must show that the generator or other electric source being utilized with the equipment package is compatible with the equipment package and is consistent with the testing and listing specified for this type of interconnection equipment.

5.0 Provided the generator or electric source, when combined with the equipment package, is within the range of capabilities for which it was tested by the NRTL, and does not violate the interface components’ labeling and listing performed by the NRTL, no further design review, testing or additional equipment on the customer side of the point of common coupling shall be required to meet the requirements of this interconnection procedure.

6.0 An equipment package does not include equipment provided by the utility.

7.0 Any equipment package approved and listed in a state by that state’s regulatory body for interconnected operation in that state prior to the effective date of these small generator interconnection procedures shall be considered certified under these procedures for use in that state.