

the Applicant shall identify an anticipated start date that is within two years of the Applicant's execution of the Interconnection Agreement.

14. The Utility shall inspect the completed Generating Facility installation for compliance with requirements and shall attend any required commissioning tests pursuant to IEEE Standard 1547. For systems greater than 10 MW, IEEE Standard 1547 may be used as guidance. Provided that any required commissioning tests are satisfactory, the Utility shall notify the Applicant in writing that operation of the Generating Facility is approved.
15. The Applicant shall notify the Utility if there is any anticipated change in the anticipated start date of interconnected operations of the Generating Facility. Upon approval by an electrical code official with jurisdiction over the interconnection and notification of approval from the Utility, the Applicant may commence interconnected operations.
16. Fees: An application fee shall not exceed \$100 plus \$1 per kW of Generating Capacity, as well as charges for actual time spent on any interconnection study. Costs for Utility facilities necessary to accommodate the Applicant's Generating Facility interconnection shall be the responsibility of the Applicant.

(I) Online Application Requirement:

1. Each Utility shall allow interconnection applications to be submitted through the Utility's website.
2. Each Utility shall dedicate a page on their website to interconnection procedures. That page shall be able to be reached by no more than three logical, prominent hyperlinks from the Utility's home page.²⁶ The relevant website page shall include (i) these Interconnection Procedures and attachments in an electronically searchable format, (ii) the Utility's interconnection application forms in a format that allows for electronic entry of data, (iii) the Utility's interconnection agreements, and (iv) the Utility's point of contact for submission of interconnection applications including email and phone number.

(J) General Provisions and Requirements:

1. Applicant is responsible for construction of the Generating Facility and obtaining any necessary local code official approval (electrical, zoning, etc.).
2. Applicant conducts the commissioning test pursuant to the IEEE Standard 1547 and complies with all manufacturer requirements.
3. To assist Applicants in the interconnection process, a Utility shall designate an employee or office from which basic information on interconnections can be obtained. Upon request, a Utility shall provide interested Applicants with all relevant forms, documents and technical requirements for filing a complete application. Upon an Applicant's request, a Utility shall meet with an Applicant at the Utility's offices or by telephone prior to submission for up to one hour for Level 1 Applicants and two hours for other Applicants.

²⁶ For instance, a Utility's home page could have a hyperlink to a subpage for clean energy, which has a hyperlink to a subpage for customer-sited generation, which has a hyperlink to these procedures.

IREC 2009 Model Interconnection Procedures

4. The authorized hourly rate for engineering review under additional review or Level 4 shall be \$100 per hour.²⁷
5. A Utility shall not require an Applicant to install additional controls (other than a utility accessible disconnect switch for non-inverter-based Generating Facilities²⁸), or to perform or pay for additional tests to obtain approval to interconnect.
6. A Utility may only require an Applicant to purchase insurance covering Utility damages, and then only in the following amounts²⁹:
 - i. For non-inverter-based Generating Facilities:

Generating Capacity > 5 MW	\$3,000,000
2 MW < Generating Capacity ≤ 5 MW	\$2,000,000
500 kW < Generating Capacity ≤ 2 MW	\$1,000,000
50 kW < Generating Capacity ≤ 500 kW	\$500,000
Generating Capacity ≤ 50 kW	no insurance
 - ii. For inverter-based Generating Facilities:

Generating Capacity > 5 MW	\$2,000,000
1 MW < Generating Capacity ≤ 5 MW	\$1,000,000
Generating Capacity ≤ 1 MW	no insurance
7. Additional protection equipment not included with the Interconnection Equipment Package may be required at a Utility's discretion as long as the performance of an Applicant's Generating Facility is not negatively impacted and the Applicant is not charged for any equipment that provides protection that is already provided by interconnection equipment Certified in accordance with Section C.
8. Metering and Monitoring shall be as set forth in the Utility's tariff for sale or exchange of energy, capacity or other ancillary services.
9. Once an interconnection has been approved under these procedures, a Utility shall not require an Interconnection Customer to test its Generating Facility except that the Utility may require any manufacturer-recommended testing and:
 - i. For Levels 2 and 3, an annual test in which the Interconnection Customer's Generating Facility is disconnected from the Utility's equipment to ensure that the Generating Facility stops delivering power to the Electric Delivery System .
 - ii. For Level 4, all interconnection-related protective functions and associated batteries shall be periodically tested at intervals specified by the manufacturer, system integrator, or authority that has jurisdiction over the interconnection. Periodic test reports or a log for inspection shall be maintained.

²⁷ The fixed hourly fee for engineering review may be adjusted to reflect standard rates in each state, but the hourly charge should be fixed so there are no disparities among Utilities.

²⁸ A number of states have allowed Utilities to require external disconnect switches but specified that the Utility must reimburse Applicants for the cost of the switch. Several states have specified that an external disconnect switch may not be required for smaller inverter-based Generating Facilities. Recognizing that non-inverter-based Generating Facilities might present a hazard, Utilities may require a switch for these Generating Facilities.

²⁹ Insurance requirements are not typically separated by inverter and non-inverter-based Generating Facilities. However, concerns seem to center on the potential for non-inverter-based systems to cause damage to utility property. To IREC's knowledge, there has never been a claim for damages to a utility's property caused by an inverter-based system, and it seems that there is little theoretical potential for damage to a utility's property caused by an inverter-based system of less than a megawatt.

10. A Utility shall have the right to inspect an Interconnection Customer's Generating Facility before and after interconnection approval is granted, at reasonable hours and with reasonable prior notice provided to the Interconnection Customer. If the Utility discovers an Interconnection Customer's Generating Facility is not in compliance with the requirements of IEEE Standard 1547, and the non-compliance adversely affects the safety or reliability of the electric system, the Utility may require disconnection of the Interconnection Customer's Generating Facility until the Generating Facility complies with IEEE Standard 1547.
11. The Interconnection Customer may disconnect the Generating Facility at any time without notice to the Utility and may terminate the Interconnection Agreement at any time with one day's notice to the Utility.
12. An Applicant may designate a representative to process an application on Applicant's behalf, and an Interconnection Customer may designate a representative to meet some or all of the Interconnection Customer's responsibilities under the Interconnection Agreement.³⁰
13. For a Generating Facility offsetting part or all of the load of a utility customer at a given site, that customer is the Interconnection Customer and that customer may assign its Interconnection Agreement to a subsequent occupant of the site.³¹ For a Generating Facility providing energy directly to a Utility, the Interconnection Customer is the owner of the Generating Facility and may assign its Interconnection Agreement to a subsequent owner of the Generating Facility. Assignment is only effective after the assignee provides written notice of the assignment to the Utility and agrees to accept the Interconnection Customer's responsibilities under the Interconnection Agreement.

(K) Dispute Resolution:

1. For a dispute related to these rules, either Party may submit a written request to the other Party for an informal meeting by phone, electronic media, or in person to attempt to resolve the dispute. Following such a request, each Party shall make available a person with authority to resolve the dispute. A meeting shall be scheduled for at least one hour, but may be shorter at the option of the Party requesting the meeting. The meeting shall take place at a time and in a manner agreeable to the Party receiving the request within three business days of the Party's receipt of the request for a meeting. If a dispute involves technical issues, persons with sufficient technical expertise and familiarity with the issue in dispute from each Party shall also attend the informal meeting.
2. If an informal meeting of the Parties does not resolve a dispute, the Parties may mutually agree to further discussions or either Party may seek resolution of the dispute through the complaint or mediation procedures available at the Commission. Dispute resolution at the Commission will be initially conducted in an informal, expeditious manner to reach

³⁰ In the most common case, a residential customer may designate an installer as the representative. For larger Generating Facilities, a third party owner might be the designated representative.

³¹ In the most common case, an Interconnection Customer is a homeowner and this clause allows the homeowner to sell the home and assign the Agreement to the new owner. In many commercial situations, the Interconnection Customer is a lessee and this clause allows that lessee to move out at the end of a lease and assign the Agreement to a new lessee.

resolution with minimal costs and delay. If no resolution is reached after informal discussions, either Party may file a formal complaint with the Commission.

(L) Utility Reporting Requirement:

Each Utility shall electronically make available a spreadsheet listing all interconnected Generating Facilities with their respective resource types, Generating Capacities, year of interconnection, and zip code of geographic location. At a minimum, such information shall be provided to the Commission by March 1 of each year. Such information shall be submitted in both a database format for data analysis and in an image format that is legible and intuitive when printed.