

CITY OF CONCORD ELECTRIC UTILITIES
Concord, North Carolina

**Small Interconnection Request Procedures and Check List for
Interconnecting a Certified Generating Facility**

- ✓ A pre-project meeting is required with the City of Concord Electric Systems must be completed before any paper work can be submitted.
- ✓ The Customer completes the Interconnection Request and submits it to City of Concord (COC) Electric Systems.
 - Contact Information - The customer must provide the contact information for the legal applicant (i.e., the Interconnection Customer). If another entity is responsible for interfacing with the electric distribution system, that contact information must be provided on the Interconnection Request.
 - Ownership Information - Enter the legal names of the owner(s) of the Generating Facility (GF).
- ✓ COC acknowledges to the customer receipt of the Interconnection Request.
- ✓ COC notifies Duke Energy, the City's wholesale power provider, of the project when required.
- ✓ Customer must report their proposed construction to the North Carolina Utilities Commission and supply the information detailed in Commission Rule 8-65 before construction begins.
<https://www.ncuc.net/ncrules/Chapter08.pdf>
- ✓ COC evaluates the Interconnection Request for completeness and notifies the customer that the Interconnection Request is or is not complete and, if not advises what material is missing.
- ✓ COC verifies that the GF can be interconnected safely and reliably. Unless COC determines and demonstrates that the GF cannot be interconnected safely and reliably, COC approves the Interconnection Request and notifies the customer.
- ✓ COC prepares Electric Service and Renewable Generation Purchase Agreement and proof of Liability Insurance is required.
 - The Interconnection Customer shall obtain and retain, for as long as the Generating Facility is interconnected with the City's System, liability insurance which protects the Interconnection Customer from claims for bodily injury and/or property damage. The amount of such insurance shall be sufficient to insure against all reasonably foreseeable direct liabilities given the size and nature of the generating equipment being interconnected, the interconnection itself, and the characteristics of the system to which the interconnection is made. This insurance shall be primary for all purposes. The Interconnection Customer shall provide certificates evidencing this coverage as required by the City. Such insurance shall be obtained from an insurance provider authorized to do business in North Carolina. The City reserves the right to refuse to establish or

continue the interconnection of the Generating Facility with the City's System, if such insurance is not in effect.

- For an Interconnection Customer that is a residential customer of the City proposing to interconnect a Generating Facility no larger than 20 kW, the required coverage shall be a standard homeowner's insurance policy with liability coverage in the amount of at least \$100,000 per occurrence.
 - For an Interconnection Customer that is a non-residential customer of the City proposing to interconnect a Generating Facility no larger than 100 kW, the required coverage shall be comprehensive general liability insurance with coverage in the amount of at least \$300,000 per occurrence.
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- ✓ Underwriters Laboratories (UL) 1741 Listed - This standard ("Inverters, Converters, and Controllers for Use in Independent Power Systems") addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741. This listing is then marked on the equipment and supporting documentation. The GF must be listed and labeled in compliance.
 - ✓ Permits and Electrical Inspections - The customer shall obtain all local permits required for wiring modifications and/or installation of the Generating Facility. The local authority having jurisdiction shall perform required inspections and issue approval for connection.
 - ✓ For Generating Facilities 20 kW or less for residential customers and 100 kW or less for non-residential customers after installation is completed, the customer returns the Certificate of Completion to COC prior to parallel operation, COC may inspect the GF for compliance with standards which may include a witness test, and may schedule appropriate metering replacement, if necessary. COC notifies the customer in writing that interconnection of the GF is authorized. If the witness test is not satisfactory, COC has the right to disconnect the GF. The customer shall not operate the unit in parallel until a witness test has been performed or previously waived on the Interconnection Request.