

## Requirements for Interconnection of Large Qualifying Facilities over 25 kW to Lumbee River EMC's Distribution System

**Requirements for Interconnection:** The Applicant understands and agrees that they must provide verification of the following items before interconnection will be made.

That any renewable generation system equipped with a voltage inverter has been manufactured, installed and shall be operated in compliance with Underwriters' Laboratory (UL) standard 1741 for distributed generation systems and has been identified and listed as "Utility Interactive."

- That the system installation complies with and has been inspected and approved by the electrical inspector having local jurisdiction as meeting all applicable laws, regulations and codes.
- Provide a one-line drawing of the generator system wiring.
- Provide equipment specifications.
- Provide a load profile that shows the projected generated load for each month of the year.

*Note:* Should the Applicant desire to apply to participate in the North Carolina Green Power (NCGP) program, the Member-Owner should contact NCGP@ncgreenpower.org or call NC Green Power Resource Manager at 919-857-9027 to get specific information.

The Applicant agrees to provide the Cooperative with any additional information required to complete the interconnection and agrees that the generation system's metering point shall be designed, installed, operated and maintained in accordance with:

- The "Guidelines for Interconnection of Large Qualifying Generation Systems to Lumbee River EMC's Distribution System," specifications set forth in the "Lumbee River EMC Interconnection Application for Large Qualifying Facilities over 25 kW," and LREMC's "Standard Interconnection Agreement"
- The Cooperative's Service Rules and Regulations.

Applicant acknowledges receiving copies of these documents:  Yes  No

Tests of the Applicant's generator system to insure that the system is installed and meets the Cooperative's guidelines and requirements shall be documented by the installer, or their qualified designated representative; and the Cooperative reserves the right to witness testing of the system. These tests shall be successfully completed in accordance with the manufacturer's published recommendation prior to interconnection to the Cooperative's distribution system. Maintenance to the generator system shall also be performed in accordance with the manufacturer's published maintenance procedures.

The accepted application is for the original applicant only. Future Owner/Operators must submit a new application to the Cooperative. The initial Owner/Operator assumes the responsibility of ensuring any new Owner/Operator is aware they must re-apply or provide evidence that the generation system has been removed or disabled to prevent future interconnection.

Lumbee River EMC agrees to credit the generator Member-Owner's account for all power generated and delivered through the Cooperative's system metering point according to the Purchase Power Agreement between the Applicant and Lumbee River EMC if the net capacity of the generation system is between 25 kW and 500 kW. Generation systems with a net capacity of 500 kW or greater will be directed to North Carolina Electric Membership Cooperative (NCEMC) for a Purchase Power Agreement. Please contact NCEMC at 919) 872-0800 or (800) 662-8835.

Upon acceptance and approval of an application, an engineering study is required for the project to move forward. This engineering study will be used to determine if a facility is in fact feasible and if so, what are the required system modifications for the facility to be interconnected. The Applicant, will have the option to proceed with an Engineering Study or decide to end the project at this point in time. The Applicant understands and agrees that payment of the costs associated with said engineering study must be made prior to the Cooperative moving forward with the execution of the engineering study. Upon completion of the study the applicant understands and agrees that the applicant will be

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responsible for payment of the costs associated with any and all system modifications that are required prior to the interconnection. The applicant also understands they must enter into an Interconnection Agreement with the Cooperative before interconnection can be made and that the actual interconnection will not be made until all requirements have been satisfied.

The Applicant understands and agrees they are liable for and shall bear any costs associated with any power quality, reliability, safety issues or problems created by the interconnection and operation of their generation system at any time, and that they are prohibited from altering the accepted design without submitting a new "Application to Interconnect A Large Qualifying Generation System" and obtaining new approval.

The Cooperative reserves the right to at any time, at its discretion, to amend or modify the Large Qualifying Generation System program standards and guidelines.

As the Owner/Operator of the generator system, I hereby certify that to the best of my knowledge, all of the information provided is true and correct and that the large renewable generator system will comply with Lumbee River EMC's interconnection standards and requirements. I also authorize Lumbee River EMC to contact the manufacturer, installer, or any other party associated with the installation, as may be necessary to process my application and insure compliance with the program standards.

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_