

Duke Energy Carolinas

South Carolina Interconnection Request Checklist

(for inverter based-technologies up to 100kW)

The Public Service Commission of South Carolina approved the *Standard for Interconnecting Small Generation 100 KW or Less with Electric Power Systems (EPS)* in SCPSC Docket No. 2005-387-E, Order No. 2006-772 and was effective on December 19, 2006. This statewide interconnection standard was developed to streamline the interconnection process and protect the integrity of the electric grid without compromising public safety.

- 1. Application to Interconnect:** The *Standard for Interconnecting Small Generation 100 KW or Less with Electric Power Systems (EPS)* permits parallel interconnection of non-utility owned single phase small generation systems which are rated at 20 kW or less for residential customers and 100 kW or less for nonresidential customers. Meeting the requirements of this standard may eliminate or reduce the need for utility-owned protective equipment as part of the interconnection facilities.

To submit an *Application to Interconnect* request for net metering or to sell the output to Duke Energy Carolinas use the one-page *Application to Interconnect* that is located on the Duke Energy Carolinas website at <http://www.duke-energy.com/customer-owned-generation/sc-main.asp>

- 2. Application Fee:** A non-refundable application fee should accompany the *Application to Interconnect*. The fee is \$100 for residential customers and \$250 for non-residential customers.
- 3. Electrical one-line diagram:** An electrical one-line drawing depicting the project and the equipment to be installed should accompany the *Application to Interconnect*. The one-line diagram should include the project and owner name and address, model numbers and nameplate sizes of equipment, including solar panels, inverters, wind turbines, etc. It should also depict the metering arrangement, whether “net metering” or directly connected to the grid through a separate meter and delivery.
- 4. FERC Qualifying Facility Status:** A generating facility proposing to sell electricity to Duke Energy Carolinas under a Purchased Power Agreement on Rate Schedule PP(SC) must be a “*Qualifying Facility*” as defined by the Public Utility Regulatory Policies Act of 1978 (“PURPA”) and the Federal Energy Regulatory Commission (“FERC”) regulations implementing PURPA. A “*Qualifying Facility*” is one that meets certain federal guidelines and qualifies to receive avoided cost payments from the utility (Rate Schedule PP(SC)).

Instructions for completing this simple, self-registration process with the FERC are found on the Duke Energy Carolinas Customer Generation Website under *Obtaining FERC Qualifying Facility Status* or directly on the Federal Energy Regulatory Commission’s website located at www.ferc.gov.

A copy of the FERC QF Certificate filing should accompany the *Application to Interconnect*.

- 5. Insurance Certificate:** Residential customers are required to demonstrate liability insurance coverage maintained with an insurer authorized to do business in South Carolina. The

required coverage shall be a standard homeowner's insurance policy with liability coverage in the amount of at least \$100,000 per occurrence.

Non-residential customers are required to demonstrate liability insurance coverage maintained with an insurer authorized to do business in South Carolina. The required coverage shall be comprehensive general liability insurance with coverage in the amount of at least \$300,000 per occurrence.

An insurance certificate from the insurer should accompany the *Application to Interconnect*

6. **Purchased Power Agreement:** If the projects intends to sell its production to Duke Energy Carolinas on Rate Schedule PP-N(NC) or Schedule PP-H(NC), Duke Energy Carolinas will prepare a Purchased Power Agreement based on the *Application to Interconnect* and mail for signature.
7. **Inspection:** After the project is installed it must be inspected by the local electrical inspector and by Duke Energy Carolinas before final interconnection acceptance can be granted.

Good luck with the development of your project.