

Town of Edinburgh Utility Application
For Interconnection of Renewable Generation Facilities

Customer Name: _____

Customer Address: _____

Project Contact Person: _____

Phone No.: _____ Email Address (Optional): _____

Application Fee \$100: Paid Application Date: _____

Provide names and contact information for other contractors and engineering firms involved in the design and installation of the generation facilities:

Total Generating Capacity of Customer's Generation Facilities:

Type of Generator: Inverter-Based Synchronous Induction

Power Source: Solar Wind Biomass Geothermal Hydroelectric
 Other Renewable (Describe)

Will the system include battery storage? Yes No

Has the equipment package been certified by a nationally recognized testing and certification laboratory as complying with IEEE 1547 Standard for Interconnecting Distributed Resources with Electric Power Systems (as amended and supplemented), and Underwriters Laboratories (UL) Standard 1741 on Inverters, Converters, and Controllers for Use in Independent Power Systems (January 2010 or later)? Yes No

Indicate all possible operating modes for this generator facility:

- Renewable – Operated in response to an available renewable resource such as solar or wind. Paralleling is for extended times.
- Emergency / Standby – Operated when Municipal Utility service is not available. Paralleling is for short durations.
- Peak Shaving – Operated during peak demand periods. Paralleling is for extended times.
- Base Load Power – Operated continuously at a pre-determined output. Paralleling is continuous.
- Cogeneration – Operated primarily to produce thermal energy. Paralleling is extended or continuous.
- Other – Describe: _____

Will the Customer's Generation Facilities export power? Yes No

For this application to be considered complete, adequate documentation and information must be submitted that will allow Utility to determine the impact of the Generation Facilities on Utility's

electric system and to confirm compliance by Customer with the provisions of Utility's tariff, including the following:

1. Single-line diagram of the Customer's system showing all electrical equipment from the generator to the point of interconnection with Utility's distribution system, including generators, transformers, switchgear, switches, breakers, fuses, voltage transformers, and current transformers.
2. Control drawings for relays and breakers.
3. Site Plans showing the physical location of major equipment.
4. Relevant ratings of equipment. Transformer information should include capacity ratings, voltage ratings, winding arrangements, and impedance.
5. If protective relays are used, settings applicable to the interconnection protection. If programmable relays are used, a description of how the relay is programmed to operate as applicable to interconnection protection.
6. For certified equipment, documentation confirming that a nationally recognized testing and certification laboratory has listed the equipment.
7. A description of how the generator system will be operated including all modes of operation.
8. For inverters, the manufacturer name, model number, and AC power rating, Operating manual or link to manufacture's web site containing such manual.
9. For synchronous generators, manufacturer and model number, nameplate ratings, and impedance data.
10. For induction generators, manufacturer and model number, nameplate ratings, and locked rotor current.

This application is subject to further consideration and study by Utility and the possible need for additional documentation and information from Customer. Note that application does not constitute any form of permitting that may be required by the local authority. Applicant is responsible for contacting any building enforcement, zoning or planning officials.

----- **Official Use Below** -----

System Safety Inspection Date: _____

Inspected By: _____

Customer Interconnection Approved By Town of Edinburgh Utilities: Yes No

Approval Decision By Safety Inspector or Independent Engineer

Name: _____ Date: _____

If not approved, explain and return to applicant: _____

