MICRO-EMBEDDED GENERATION FACILITY CONNECTION APPLICATION

The application is for the connection of a micro-embedded generation facility (≤10kW) to the ERTH Power Corporation's (EP) distribution system in accordance with the Distribution System Code Section 6.2.6 and the Distributed Energy Resources Connection Procedure Section 5.3.1.

1. Process

- Preliminary Consultation Information Request – submit to ERTH Power
- Preliminary Consultation Report (15 days) – available capacity check by ERTH Power
- Application and supporting documents – submit to ERTH Power
  - Micro-Embedded Generation Facility Connection Application
  - Single Line Diagram
  - Generator information
- Application reviewed and available capacity checked – completed by ERTH Power
- Site Assessment – completed by ERTH Power
- Offer to Connect, include connection costs – provided by ERTH Power
  - 15 Days for existing customer and no Site Assessment required
  - 30 Days for existing customer and Site Assessment required
  - 60 Days for new project and Site Assessment required
- Execute Offer to Connect and provide payment (30 days) – submit to ERTH Power
- Micro-Embedded Generation Facility Connection Agreement – submit to ERTH Power
- Electrical Safety Authority – Inspection and Authorization to Connect
- Metering Upgrades – completed by ERTH Power
- Authorization to Generate or connection for new project (5 days) – provided to applicant

2. Requirements

Applicants preparing to connect a Micro-Embedded Generation Facility to ERTH Power's distribution system must comply with the following rules, codes and regulations:

- EP Distributed Generation Resources Technical Interconnection Requirements
- Hydro One Technical Interconnection Requirements for Distributed Generation - Micro Generation & Small Generation, 3-phase, less than 30 kW
- Ontario Electrical Safety Code – Administered by the Electrical Safety Authority
- Canadian Standards Association – product compliance
- Contact local municipal offices for municipal applications, permits, bylaws and Building Codes

3. Application Submission Checklist

☐ Micro-Embedded Generation Facility Connection Application
☐ Single Line Diagram
☐ Generator Information and Certifications

ERTH Power Corporation, 143 Bell Street, PO Box 157, Ingersoll, Ontario, N5C 3K5
Generation@ERTHPower.com 1-877-850-3128

4. Application

4.1 Applicant Information

Date of Application: _____ (mm/dd/yyyy)

Proposed In-Service Date: _____ (mm/dd/yyyy)

Proposed Project Name: _____

Project Size: _____ kW (Nameplate rating) Generation Type: _____ (Wind, Solar, Water, BIOMASS)

Project Type: ☐ Net Metering (exporting) ☐ LoadDisplacement (Non-exporting) ☐ Other

Comments: _____

4.2 Project Location

Address: _____

City/Town/Township: _____ Postal Code: _____

Lot Number(s): _____ Concession Number(s): _____

4.3 Customer Status

Existing ERTH Power Customer: ■ Yes ☐ No

If yes, ERTH Power Account Number: _____ - _____

Name of Account Holder: _____

4.4 Existing Service Information

Utility Supply Voltage: _____ V ☐ Single Phase ☐ Three Phase

Service Size: _____ A Meter Number(s): _____

4.5 **Contact Information**

Single point of Contact: _____

4.6 **Owner (Mandatory)**

Company/Person: _____

Contact Person: _____

Mailing Address: _____

City, Prov., Postal: _____

Telephone: _____ Cell: _____

Email: _____

4.7 **Consultant (Optional)**

Company/Person: _____

Contact Person: _____

Mailing Address: _____

City, Prov., Postal: _____

Telephone: _____ Cell: _____

Email: _____

4.8 Generation Information

Number of Generating Units: _____ (AC connection)

AC Power Output of Each Unit: _____ kW AC Voltage Output of Each Unit: _____ V

Total Proposed Nameplate Capacity: _____ kW Generator Type: _____
(Inverter, Asynchronous, Synchronous, other)

1) Manufacturer: _____ Model Number: _____

2) Manufacturer: _____ Model Number: _____

3) Manufacturer: _____ Model Number: _____

Number of Phases: ☐ Single Phase ☐ Three Phase

Generators shall implement requirements of the IESO Market Rule Appendix 4.3 (Off-Normal Frequency Operation, Speed/Frequency Regulation and Voltage Ride-Through specified in Appendix 4.2) at the DER facility. All inverters shall comply with the following standards:

☐ UL1741SB or UL1741SA 2016 (or subsequent revision)

or

☐ C22.3 No. 9-2020 (or subsequent revision)

and

☐ Inverter marked “Grid Support Utility Interactive” or equivalent

☐ CSA 22.2 No 107.1

By submitting a Micro-Embedded Generation Facility Connection Application Form, the Applicant authorizes the collection by ERTH Power Corporation, of the information set out in the Form and otherwise collected in accordance with the terms hereof, the terms of ERTH Power Conditions of Service, ERTH Power Privacy Policy and the requirements of the Distribution System Code and the use of such information for the purposes of the connection of the generation facility to ERTH Power distribution system.

_____
Customer Name (Please Print)

_____
Signature

_____
Date (mm/dd/yyyy)

4.9 **Capacity Check – Completed by ERTH Power**

Transformer Station: _____ ERTH Power MS: _____

TS Feeder ID: _____ ERTH Power MS Feeder: _____

TS Bus ID: _____ ERTH Power Phase: _____

ERTH Power Connection Voltage: _____

ERTH Power PCC: _____

Switch #: _____ Transformer #: _____

Capacity Available: ☐ Yes, ☐ No, as of _____ (mm/dd/yyyy)

Comments

_____

_____

_____

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