MICRO-EMBEDDED GENERATION FACILITY CONNECTION APPLICATION

The application is for the connection of a micro-embedded generation facility (≤10kW) to the Lakeland Power Distribution Ltd. (LPDL) 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 LPDL
- Preliminary Consultation Report (15 days) – available capacity check by LPDL
- Application and supporting documents – submit to LPDL
  - Micro-Embedded Generation Facility Connection Application
  - Single Line Diagram
  - Generator information
- Application reviewed and available capacity checked – completed by LPDL
- Site Assessment – completed by LPDL
- Offer to Connect, include connection costs – provided by LPDL
  - 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 LPDL
- Micro-Embedded Generation Facility Connection Agreement – submit to LPDL
- Electrical Safety Authority – Inspection and Authorization to Connect
- Metering Upgrades – completed by LPDL
- 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 LPDL's distribution system must comply with the following rules, codes and regulations:

- LPDL 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

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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)

4.2 Project Location

Address: _____

City/Town/Township: _____ Postal Code: _____

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

4.3 Customer Status

Existing LPDL Customer: ☐ Yes ☐ No

If yes, LPDL 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 Power Output of Each Unit: _____ kW AC Voltage Output of Each Unit: _____ V

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

Manufacturer: _____ Model Number: _____

Number of Phases: ☐ Single Phase ☐ Three Phase

Inverter Certification: ☐ C22.2 #107.1-01 ☐ UL 1741

MICRO-EMBEDDED GENERATION FACILITY CONNECTION APPLICATION

By submitting a Micro-Embedded Generation Facility Connection Application Form, the Applicant authorizes the collection by LPDL Corporation, of the information set out in the Form and otherwise collected in accordance with the terms hereof, the terms of LPDL Conditions of Service, LPDL 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 LPDL's distribution system.

Chris Ledsham

Customer Name (Please Print)

Signature

Date (mm/dd/yyyy)

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5. Capacity Check – Completed by LPDL

Transformer Station: _____ LPDL MS: _____

TS Feeder ID: _____ LPDL MS Feeder: _____

TS Bus ID: _____ LPDL Phase: _____

LPDL Connection Voltage: _____

LPDL PCC: _____

Switch #: _____ Transformer #: _____

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

Yes, Comments

_____

_____

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