



Micro-Embedded Distribution Connection Application

This application form is to be completed and submitted along with other required documents. ORPC will review the application to ensure that there is available capacity within its existing network for the proposed project. Applicants are advised NOT to incur any expenses with the proposed project until ORPC approves to connect the proposed Micro-Embedded Distribution facility (the "Facility").

1. Contract/ Program Type

- Load Displacement Net Metering Energy Storage
- Other, please specify: _____
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2. Contact Information

A. Facility Owner Information

- Owner Name: _____
- Owner Company Name (if applicable): _____
- Owner Address
 - Street: _____
 - City: _____
 - Province: _____
 - Postal Code: _____
- Owner Telephone #: _____
- Owner Email: _____
- ORPC Account Number (if available): _____
- HST Number (if HST Registrant) _____

B. Electrical Engineering Consultant/Developer Information:

- Contact Person Name: _____
 - Company Name: _____
 - Consultant/Developer Address
 - Street: _____
 - City: _____
 - Province: _____
 - Postal Code: _____
 - Company Telephone/Cell: _____
 - Company Email: _____
 - _____
-

3. Project Location (please also provide a site plan as detailed in Section 5)

- Street: _____
- City: _____
- Province: _____
- Postal Code: _____

4. Project Details

- Proposed Date of Construction: _____
- Proposed In-service date: _____

Project Type

- | | |
|--|--|
| <input type="checkbox"/> Solar Photovoltaic | <input type="checkbox"/> Wind |
| <input type="checkbox"/> Gas Turbine | <input type="checkbox"/> Steam Turbine |
| <input type="checkbox"/> Diesel Turbine | <input type="checkbox"/> Biomass |
| <input type="checkbox"/> Co-generation/Combined Heat and Power (CHP) | <input type="checkbox"/> Other (please specify): |
| <input type="checkbox"/> Energy Storage (please specify the type): | |

Facility Type

- | | |
|---|--|
| <input type="checkbox"/> Synchronous | <input type="checkbox"/> Induction |
| <input type="checkbox"/> Inverter Based | <input type="checkbox"/> Other (please specify): |

- Number of phases (Single-Phase or Three-Phase): _____
- Output Voltage (V): _____
- Connection Voltage Configuration (Delta or Wye): _____
- Manufacture: _____
- Model Number: _____
- Number of Units: _____
- Rating of each unit (kW*): _____
- Power Factor (p.u): _____
- Proposed Total Capacity (kW*): _____
- Mode of Operation: _____
- Load Displacement (Yes/ No)
 - If yes:
 - Existing load (kW): _____
 - New Load (kW): _____
- Power Export (Yes/ No)
 - If yes:
 - Estimated load exported (kW): _____
- Peak Period Only (Yes/No)?
 - If yes:
 - Estimated load (kW): _____

*Note: Please note that the capacity for the Solar Photovoltaic systems is determined by taking the lesser of the followings:

- The sum of capacity ratings (in kW) for normal operation (continues output ratings) of the solar panels/modules of the Facility or,
- The sum of the capacity ratings (in kW) for normal operation (continues output ratings) of the inverters of the Facility.

5. Attachment

A. Single Line Diagram (SLD)

Please provide a preliminary single line diagram (SLD) for the Facility. The SLD should show the following:

- The generator and disconnecting device with ratings and other details
- The interface point/ point of common coupling (PCC) with ORPC's distribution system
- Other equipment (transformer, cables, protective relays, metering etc.) with ratings and other details

B. Site Plan/ Drawing

Please provide site plan/drawing that shows the location of the proposed Facility. Also, indicate the line routing, if applicable, from the Facility to ORPC's distribution system. The site plan/ drawing should show the nearest roads and lot numbers

C. Protection Details:

Please provide protection philosophy for detecting and clearing the following conditions (whatever applicable):

- Internal faults within your generation facility
- External phase and ground faults at ORPC's distribution system
- Abnormal system conditions (e.g., over/under voltage, over/under frequency...etc.)
- Islanding
- Tripping matrix/sequence

6. Other relevant information – Please Provide addition information that you may deem helpful in completing your application.

7.

Customer Signature: _____

Date: _____

Privacy Notice

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Your personal information will be used for the purposes identified in our Privacy Policy at www.orpowercorp.com/privacy .These include:

- To confirm your identify, respond to your inquiries and maintain business relations with you;
- to deliver and maintain electricity service;
- to bill and collect payment;
- to establish your credit worthiness;
- to register you for pre-authorized payment;
- for legal, regulatory and market operations requirements;
- to help prevent or investigate fraud, theft of power or other breaches of the law;
- to provide you with information about our services, the electricity industry, energy conservation and rates;
- to request your participation in surveys or contests; or
- to notify you about events or causes sponsored by Ottawa River Power Corporation or our affiliates.

If you have any questions about this collection, the ways in which your personal information may be used by Ottawa River Power Corporation, or would like further information about our privacy policies, please contact: inquiries@orpowercorp.com
