

Form C – Micro-Embedded Generation Connection Application

Application Form for Micro-Embedded Generation Facilities ≤ 10kW

This form is applicable to micro-embedded generation facilities with a total nameplate rating of 10kW or less. The generation facility must generate electricity from a renewable energy source such as solar, wind, water, or agricultural biomass.

Please return all completed forms by email at generationconnections@oshawapower.ca.

NOTE: Applicants are cautioned not to incur any major expenses until all necessary connection approvals from Oshawa PUC Networks Inc. (“OPUCN”) have been received.

1. Project Intent

Net Metering
 Load displacement
 Emergency Backup
 Others (please specify)

2. Project Information

	DG System Owner (Name as per contract)	Customer Legal Name (OPUCN Customer Name)	Engineering Consultant (Electrical)
Company/Person:			
Contact Name:			
Address:			
Telephone:			
Mobile Phone:			
Fax:			
Email:			

OPUCN Account Number (at existing service): _____

HST Number: _____ *(HST Registrant must match – legal applicant name)

Existing generation total nameplate capacity (if applicable): _____ kW

Existing generation Project Type (if applicable):

- | | |
|---|---|
| <input type="checkbox"/> Solar Photovoltaic (PV) – Rooftop
<input type="checkbox"/> Wind Turbine
<input type="checkbox"/> Biomass
<input type="checkbox"/> Bio-gas
<input type="checkbox"/> Other (please specify): _____ | <input type="checkbox"/> Solar Photovoltaic (PV) - Ground Mount
<input type="checkbox"/> Hydraulic Turbine
<input type="checkbox"/> Bio-diesel
<input type="checkbox"/> Energy Storage |
|---|---|

3. Proposed Project Description

Project Name: _____

Project Location: _____

Proposed Dates (dd/mm/yyyy):

Start of Construction: _____

In-Service: _____

Project Type:

Solar Photovoltaic (PV) – Rooftop

Solar Photovoltaic (PV) - Ground Mount

Wind Turbine

Hydraulic Turbine

Biomass

Bio-diesel

Bio-gas

Energy Storage

Other (please specify): _____

Project Size: (must match data on SLD)

Output Voltage: _____ (VAC)

Single-Phase

Three-Phase

Generation Equipment Specification:

Manufacturer: _____

Model No.: _____

No. of Units: _____

Rating of Unit: _____ (kW)

Proposed Total Capacity (No. of Units x Rating): _____ (kW)

Inverter Specification (for inverter type projects):

Manufacturer: _____

Model No.: _____

No. of Inverters: _____

Rating of Inverter: _____ (kW)

Proposed Total Inverter Capacity (No. of Inverter x Rating): _____ (kW)

4. Single Line Diagram (SLD) Requirements

Provide a Single Line Diagram (SLD) showing the project proposal from generator/ PV array to the point of connection to Oshawa PUC Network's distribution system. The diagram should include, in detail, all electrical components required to complete the installation including (but not limited to) generation equipment (number of PV panels and inverters), disconnect switches, meter base sockets, main service panel and breakers, metering, transformers, cables, protective devices, etc.

The SLD should also indicate project address, solar array and inverter rating in kW and nameplate capacity (kW).

Notes:

1. Nameplate Capacity means the manufacturer's total installed rated capacity of the project to generate electricity and, in the case of solar (PV) facility, means the lesser of (i) the manufacturer's total installed rated capacity of the solar panels, and (ii) the manufacturer's specified maximum power output of the inverter (s), neither of which may be greater than 10kW.
2. Single-phase inverters on a three-phase service will NOT be permitted. Only three-phase inverters on three-phase services will be accepted.

5. Other Relevant Information

6. Technical Requirements

1. Technical information on inverter shall be provided with the connection application.
2. Inverter functionality and characteristics shall conform to the latest revisions of applicable industry standards including, but not limited to, CSA 22.2 No.107.1, CSA 22.3 No. 9-2020, UL 1741 SA, IEEE 1547. It shall also bear the CSA C22.2 #107.1 certification mark recognized by the Ontario Electrical Safety Code.
3. In Lieu of CSA C22.2 #107.1 certification, UL 1741 SA certified inverters are acceptable.
4. The AC disconnect switch shall:
 - a. Be utility accessible at all times (i.e. unobstructed access),
 - b. Be installed outdoor,
 - c. Be lockable in open position,
 - d. Provide visible isolation. **Visible isolation means all contacts/blades of disconnect switch can be seen in open position by means of a window i.e. without the need of opening the front panel/door of disconnect switch,**
 - e. Be located within 2m (meters) from meter base.

7. Signature Information:

Customer Name (Print): _____

Date (dd/mm/yyyy): _____

Customer Signature: _____