



Form C - Micro-Generation Connection Application

For Connection of Micro-Generation Facilities of $\leq 10\text{kW}$

This form is applicable to individual or multiple generating units at the customer's facility with a total nameplate rating of 10 kW or less. Your generation facility must generate electricity from a renewable energy source that is wind, water, solar radiation, or agricultural biomass.

Inverter-based generating units must not inject DC greater than 0.5% of the full rated output current at the point of connection of the generating units. The generated harmonic levels must not exceed those given in the CAN/CSA-C61000-3-6 Standards.

For generation size up to 10 kW, a Connection Impact Assessment will not be required and EPCOR will not perform such an assessment. There may be a limitation on the number of micro-generation facilities that can be connected to the same distribution feeder.

IMPORTANT: All fields below are mandatory, except where noted. Incomplete applications may be returned by EPCOR.

If you have any questions contact EPCOR by email to dxgeneration.eedo@epcor.com

Return the completed form, fees and other required documents by mail, email or fax to:

EPCOR
Renewable Generation 43 Stewart Road
Collingwood, Ontario, L9Y 4M7
Email: dxgeneration.eedo@epcor.com
Fax: 705 445-2549 - Attention: Renewable Generation

NOTE: Applicants are cautioned NOT to incur major expenses until EPCOR approves the connection of the proposed generation facility.



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1. Date of Connection Application: _____
2. IESO Reference Number: _____ (if applicable)
3. Project / Customer Name: _____
4. Proposed In-Service Date: _____ (dd/mm/yyyy)
5. Signature: _____

6. Project Information

	Owner (mandatory)	Engineering Consultant (Electrical) (optional)
Company / Person		
Contact		
Mailing address line 1		
Mailing address line 2		
Telephone		
Cell		
Fax		
Email		

7. Connection to EPCOR's Distribution System:

- a. Connection voltage to EPCOR's distribution system: _____ V
- b. Station: _____ (FOR OFFICE USE, LEAVE BLANK)
- c. Feeder: _____ (FOR OFFICE USE, LEAVE BLANK)

8. Project Location:

Address	
City / Town / Township	
Lot number(s)	
Concession number(s)	



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9. Program Type

- A. Net Metering
- B. Load Displacement

10. Customer Status

Are you an existing EPCOR Customer? Yes No

If yes, EPCOR account number: _____

Customer name registered on this account: _____

Are you an HST registrant? Yes No

If yes, please provide your HST number: _____

11. Project Size

Number of Units: _____

Nameplate rating of each unit: _____ kW

Generator connecting on: single phase three phase

Existing total nameplate capacity: _____ kW

Proposed total nameplate capacity: _____ kW

12. Fuel Type

Wind Turbine

Hydraulic Turbine

Solar/Photovoltaic Cells - Rooftop

Solar/Photovoltaic Cells - Ground Mount

Biomass

Biodiesel

Biogas

Other (please specify below)

Other: _____



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13. Customer Owned Step-Up Interface Transformer (if applicable):

- A. Transformer rating: _____ kVA
- B. High voltage winding connection: Delta Star
 Grounding method of star connected high voltage winding neutral:
 Solid Ungrounded Impedance Grounded: R _____ X _____ ohms
- C. Low voltage winding connection: Delta Star
 Grounding method of star connected high voltage winding neutral:
 Solid Ungrounded Impedance Grounded: R _____ X _____ ohms

Note: The term “high voltage” refers to the connection voltage to EPCOR’s distribution system and “low voltage” refers to the generator / inverter output voltage.

14. Generator / Inverter Information:

- A. Manufacturer: _____
- B. Model Number: _____
- C. Number of phases: single phase three phase
- D. Nameplate rating: _____ kW
- E. Generator / Inverter AC output voltage: _____ Volts
- F. Type of inverter: Self-commutated Line-commutated Other (please specify):
 Other: _____
- G. Are power factor correction capacitors automatically switched off when generator breaker opens? Yes No
- H. Is the generator/inverter paralleling equipment and/or design pre-certified and meets anti-islanding test requirements? Yes No
- I. If answer to the above question is Yes, to which standard(s)? e.g. CSA C22.2 No.107.1-01, UL1741, etc. _____
- J. Method of synchronizing the generator/inverter to EPCOR’s system? Manual Automatic
- K. Maximum inrush current upon generator or inverter corrections (I_{inrush}/I_{rated}): _____ per unit



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15. Grid Interface Controller (if applicable):

Manufacturer: _____

Model Number: _____

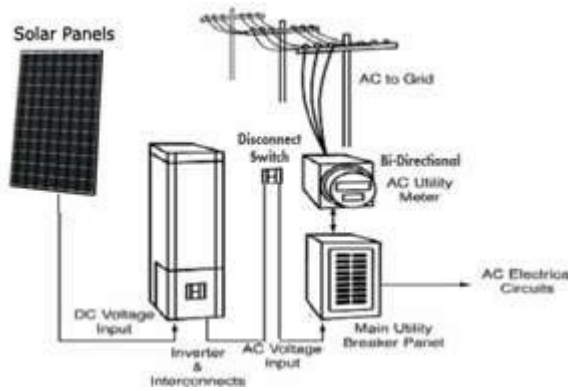
16. Single Line Diagram (SLD):

Provide an SLD of the generating facility including the location of the external disconnect switch and Interface Point to EPCOR Utilities Inc. distribution system.

17. Type of Connection:

Select the type of connection below that is appropriate for your connection to the EPCOR distribution system:

- A. Diagram 1 - Net Metering Connection



18. Meter Base:

Is the existing meter base on the “EPCOR Approved Meter Socket List”:

Yes No

If answer to the above question is No, a new meter base will be required to continue with a net metering installation.



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By submitting a Form C, the Proponent authorized the collection by EPCOR of the information set out in the Form C and other wise collected in accordance with the terms thereof, the terms of EPCOR's Conditions of Service, EPCOR's 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 EPCOR's distribution system.

Submission Checklist:

Form C
Single Line Diagram
Payment in Full (if work is required by EPCOR)

Notes:

- **Disconnect switch must be located next to the utility meter (unless customer justification is provided and accepted by EPCOR).**
- **Prior to Bi-Directional meter swap, meter base must be from approved list.**
- **See sample Single Line Diagram for reference.**
- **See sample labeling image as reference for on-site labeling.**