Form C - Micro-Generation Connection Application

For Connection of Micro-Generation Facilities of ≤ 10kW

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 Collus PowerStream 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 Collus PowerStream.

If you have any questions contact Collus PowerStream by email to dxgeneration@collus.com or by telephone at (705) 445-1800 extension 2245.

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

Collus PowerStream Corp.
Renewable Generation
43 Stewart Road
Collingwood, Ontario, L9Y 4M7
Email: dxgeneration@collus.com

Fax: 705 445-2549 – Attention: Renewable Generation

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

Date: _____ (*dd/mm/yyyy*)

1. **microFIT Reference Number:** _____ (*not required for Net Metering applications*)
2. **Project / Customer Name:** _____
3. **Proposed In-Service Date:** _____ (*dd/mm/yyyy*)
4. **Project Information**

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

Email		

5. Project Location:
Address _____
City / Town / Township _____
Lot number(s) _____
Concession number(s) _____

6. Connection to PowerStream's Distribution System:

a. Connection voltage to Collus PowerStream's distribution system: _____ kV
b. Station: _____
c. Feeder: _____

7. Program Type:

A. ☐ **microFIT (*complete all sections*)**

B. Net Metering to microFIT Conversion

i. ☐ Existing Net Metering customer upgrading generation size and/or technology/fuel type, up to 10 kW **(*complete all sections*)**

ii. ☐ Existing Net Metering customer with no upgrades in generation size and/or technology/fuel type, up to 10 kW **(*complete sections 6, 7 and 8 only*)**

C. ☐ **Net Metering (*complete all sections*)**

D. ☐ **Load Displacement**

8. Customer Status

Are you an existing Collus PowerStream customer? ☐ Yes ☐ No
If yes, Collus PowerStream account number: _____
Customer name registered on this account: _____
Are you a Goods and Service Tax (GST) registrant? ☐ Yes ☐ No
If yes, provide your GST registration number: _____-_____RT_____

9. 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

10. Fuel Type:

☐ Wind Turbine
☐ Hydraulic Turbine
☐ Solar/Photovoltaic Cells - rooftop
☐ Solar/Photovoltaic Cells - ground mount
☐ Biomass
☐ Bio-diesel

☐ Bio-gas ☐ Other (*please specify*)

11. 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 Collus PowerStream's distribution system and "low voltage" refers to the generator / inverter output voltage.

12. Generator / Inverter Information:

(*For generation facilities installing more than one type of generator, complete section 10.*)

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 (specify) _____
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 Collus PowerStream's system?
☐ Manual ☐ Automatic
k. Maximum inrush current upon generator or inverter connections (I_{inrush}/I_{rated}) _____ per unit

13. Grid Interface Controller (*if applicable*):

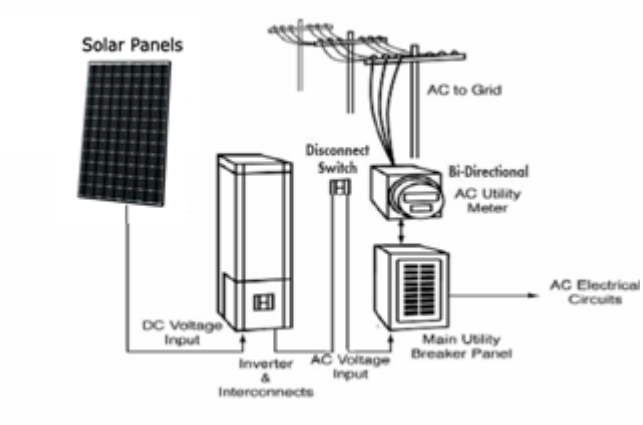
a. Manufacturer: _____ Model Number: _____

14. Type of Connection:

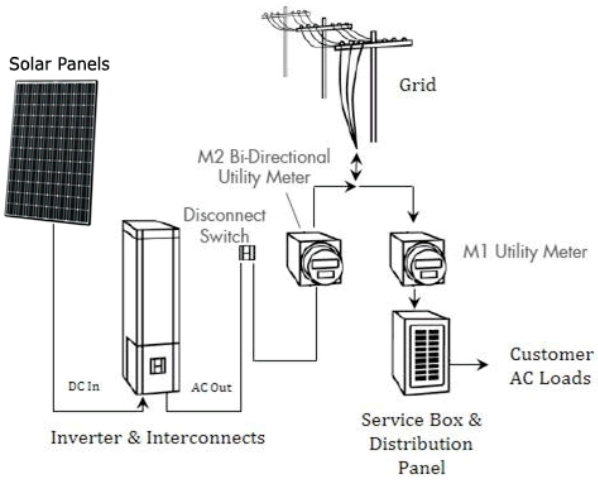
Select the Single Line Diagram below that is appropriate for your connection to the Collus PowerStream distribution system.

a. ☐ Diagram 1 – Net Metering Connection
b. ☐ Diagram 2 – Parallel Metering Connection

a. Diagram 1 – Net Metering Connection



b. Diagram 2 – Parallel Metering Connection



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