



Form C

Renewable Energy Micro-Generation Connection Application

Distribution System

(Micro-Generation Facilities \leq 10 kW total nameplate capacity)

This form is applicable to single or multiple generating units at the Customer's facility designed to be connected and run in parallel to GrandBridge Energy Inc's (formerly Brantford Power Inc.) distribution system, with total nameplate rating of 10 kW or less. The generation facility must generate electricity from a renewable energy source i.e. 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.

Refer to the [Generation Information Package](#) for more details.

For generation size up to 10 kW, a Connection Impact Assessment by GrandBridge Energy Inc. is not required, however, 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 GrandBridge Energy. An application is not considered complete until all the required fields have been filled in. We caution customers that an offer to connect is not guaranteed and the customer should not incur any costs related to the project until an offer to connect has been made. Any costs incurred before an offer to connect has been issued will be AT THE APPLICANTS OWN RISK.

The following information is required for all generators with total generation of up to 10 kW.

Date of Application (DD/MM/YYYY): _____ / _____ / _____

1) **Program Type**

- Load Displacement
- Net Metering
- Other program (Please specify) _____

2) **Contact Information**

Owner
 Company/ Person: _____
 Contact: _____
 Mailing Address: _____
 Telephone: _____
 E-mail: _____

Engineering Consultant (Electrical) (optional)

Company/ Person: _____
Contact: _____
Mailing Address: _____
Telephone: _____
E-mail: _____

3) Project Details

a) Fuel Type:

- Wind Turbine
- Hydraulic Turbine
- Solar / Photovoltaic Cells
- Biomass
- Bio-diesel
- Bio-gas
- Other, please specify: _____

b) Project/Customer Name: _____

c) Project Size

Number of Units _____
Nameplate Rating of Each Unit _____ kW (DC rating)
Generator connecting on single phase three phase
Existing Total Nameplate Capacity _____ kW (DC rating)
Proposed Total Nameplate Capacity _____ kW (DC rating)

d) Proposed In-Service Date (DD/MM/YYYY): ____ / ____ / ____

4) Proposed Project Location

Address: _____
City: _____
Postal Code: _____

5) Connection to GrandBridge Energy Distribution System

a. Connection voltage to GrandBridge Energy distribution system: _____ V

6) Customer Status

Existing GrandBridge Energy Customer: Yes No

If yes, Current Billing Account Number: _____ - _____

Name of Account Holder*: _____
(*must be the same name as applicant)

Are you an HST registrant? Yes No

If yes, provide your HST registration number: _____ - _____ RT _____

7) **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 low voltage winding neutral

Solid Ungrounded Impedance grounded: R_____X_____ohms

Note: The term 'High Voltage' refers to the connection voltage to BPI's distribution system and 'Low Voltage' refers to the generator / inverter output voltage.

8) **Generator / Inverter Information**

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

a) Manufacturer: _____

b) Model No. _____

c) Number of phases Single Phase Three Phase

d) Nameplate rating: _____ kW (AC rating)

e) Generator / Inverter AC output voltage _____ Volts

f) Type of inverter: Self-commutated Line-commutated

Other, please 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

Manual Automatic

k) Maximum inrush current upon generator or inverter connection (I_{inrush} / I_{rated}) _____ per unit

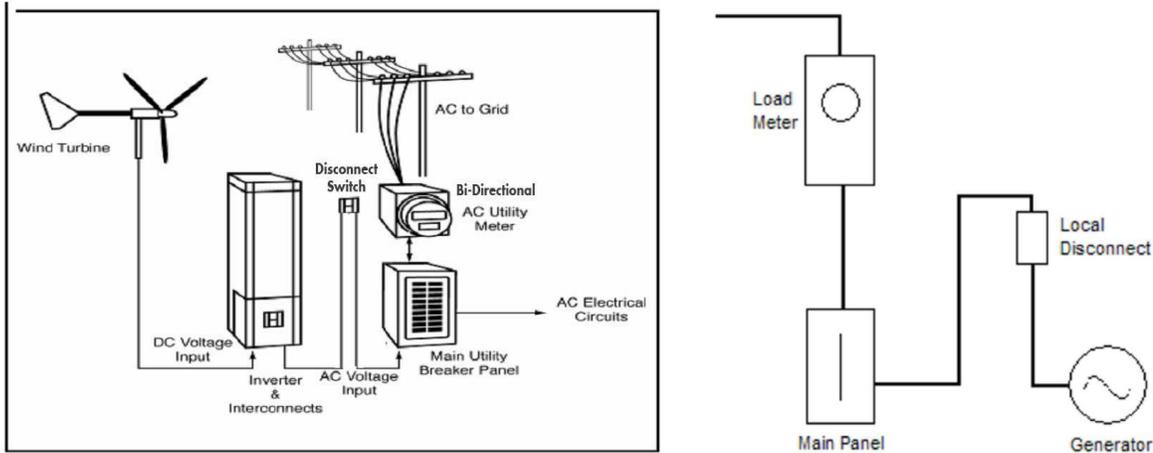
9) **Grid Interface Controller (if applicable)**

Manufacturer: _____ Model Number: _____

10) **Type of Connection**

The Single Line Diagram below is appropriate for your connection to the GrandBridge Energy distribution system:

Diagram 1 – **Net Metering/ Load Displacement Connection**



Signatures

By submitting the above application, the Proponent authorizes the collection by GrandBridge Energy (formerly Brantford Power), of the information set out in the Form and otherwise collected in accordance with the terms hereof, the terms of Conditions of Service, 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 our distribution system.

To the best of my knowledge, all information provided in this Form C Application is complete and correct.

Owner Signature

Date

Consultant Signature

Date

Please return the completed form by email to:

GrandBridge Energy (formerly Brantford Power)
Attn: Customer Care Department
Generation Connections
E-Mail: customerservices@grandbridgeenergy.com
T: 519-751-3522
F: 519-756-6041

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F: 519-756-6041
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