



Micro Generation (10kW or Less) Connection Application

This form is applicable to individual or multiple generating units at the Customer's facility with 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.

IMPORTANT: All fields below are mandatory, except where noted. Incomplete applications may be returned by Espanola Regional Hydro. **Submission of a single line diagram (SLD) and applicable generator equipment specifications is required with this application.**

Please return the completed form by email, mail or fax to:

Espanola Regional Hydro
74 Commerce Crescent
North Bay, ON P1B 8G4
Email: DER@northbayhydro.com

Attention: Engineering

NOTE: Applicants are cautioned NOT to incur major expenses until ERH approves to connect the proposed generation facility.

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

Date of Application: (dd / mm / yyyy) _____

Net Metering reference number: _____

Assigned by Espanola Hydro

1. Project/Customer Name: _____

2. HST Registration# (If applicable): _____

3. Proposed In-Service Date: (dd/mm/yyyy) _____

4. Project Information:

Owner

Company/ Person: _____

Contact: _____

Mailing Address: _____
Telephone: _____
Fax: _____
E-mail: _____

Customer Contractor (Electrical) (optional)

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

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

6. Program Type:

A. Net Metering

7. Customer Status:

Existing ERH Customer? Yes No

If yes, ERH Account Number: Name of _____ - _____
Account Holder*:

(*must be the same name as applicant)

8. 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

9. Fuel Type:

Wind Turbine
 Hydraulic Turbine

- Solar / Photovoltaic Cells (Rooftop)
- Solar / Photovoltaic Cells (Ground Mount)
- Biomass
- Bio-diesel
- Bio-gas
- Other, please specify _____

10. 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 Espanola Hydro's distribution system and 'Low Voltage' refers to the generator / inverter output voltage.

11. 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
- 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 Espanola Hydro's system

Manual Automatic

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

12. Grid Interface Controller (if applicable):

a. Manufacturer: _____

b. Model Number: _____