



Net Metering Application Form

This form is applicable to individual or multiple generating units at the Customer’s facility with total nameplate rating of 500 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.

The following information is required for all net-metered generators with total generation of up to 500 kW.

Date of Application: _____ Proposed Generation In-Service Date: _____
(DD/MM/YYYY) *(DD/MM/YYYY)*

1. Project Information:

Location (Street Address/City/or Lot No./Concession/Township/County, as applicable)

Owner

Name (Company / First, Last): _____

Contact: _____

Mailing Address: _____

Telephone (Main): _____ Telephone (Alternate): _____

Fax: _____ E-mail: _____

Engineering Consultant (Electrical)

Name (Company / First, Last): _____

Contact: _____

Mailing Address: _____

Telephone (Main): _____ Telephone (Alternate): _____

Fax: _____ E-mail: _____



2. Customer Status:

Existing Erie Thames Customer? Yes No

Are you a GST registrant? Yes No If yes, provide your GST registration number:

3. Project Size:

Total generation capacity _____ kW

Are all generating units of the same type / size? Yes No

4. Generation Type (check all that apply):

Wind Turbine

Hydraulic Turbine (water)

Photovoltaic (solar)

Agricultural Bio-Mass

Other, Please Specify: _____

5. 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 Erie Thames's distribution system and 'Low Voltage' refers to the generator / inverter output voltage.

6. Generator / Inverter Information:

(For generation facilities installing more than one type of generator, complete section 6 and Appendix A)

- 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: _____
- 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 above question is Yes, to which standard(s), e.g. CSA C22.2 No. 107.1-01, UL 1741, etc.
- j) Method of synchronizing the generator / inverter to Erie Thames's system
 Manual Automatic
- k) Maximum inrush current upon generator or inverter connection (linrush / Irated) per unit

7. Grid Interface Controller (if applicable):

- a) Manufacturer _____
- b) Model No. _____



8. Single Line Diagram (only required for generators greater than 50 kW):

A Single Line Diagram (SLD) is required with this Application Form. The SLD should include, but should not be limited to:

- Customer’s electrical system showing major electrical equipment, their ratings, location of fault interrupting devices (circuit breakers, fuses)
- Generating unit(s) and their connection arrangement to Customer’s electrical system
- Protection, metering and proposed tripping schemes
- Isolating / disconnecting device for the isolation of the generating units(s) from Erie Thames’s system; suitably rated, accessible (to Erie Thames personnel), visible, gang operated, lockable.
- If applicable, information on customer owned step-up interface transformer: ratings, winding connections, grounding arrangements.

SLD Drawing Number: _____ Rev. _____

9. Location & Site Plan (only required for generators greater than 50 kW):

Provide a site plan (sketch) showing electric service entrance, step-down transformer, generator(s) / inverter(s) location, existing / new switchgear, location of the isolating / disconnecting device (for Erie Thames use), adjoining street name, and street address.

Drawing / Sketch No. _____ Rev. _____

Note: Additional information may be required. Erie Thames will inform you of what additional information is required.

Applicant: _____ Date: _____

(Signature)

(DD/MM/YYYY)

APPENDIX A: Generator / Inverter Information for Additional Turbines

(For generation facilities installing more than one type of generator)

- 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
- 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 above question is Yes, to which standard(s), e.g. CSA C22.2 No. 107.1-01, UL 1741, etc. _____
- j) Method of synchronizing the generator / inverter to Erie Thames's system
 Manual Automatic
- k) Maximum inrush current upon generator or inverter connection (I_{inrush} / I_{rated}) per unit