



Net Metering Connection Agreement

In consideration of Bluewater Power Distribution Corporation (“Bluewater Power”) agreeing to allow you to connect your 500 kW or smaller generation facility to Bluewater Power’s distribution system, Bluewater Power requests that you understand and accept the following terms and conditions:

1.0 Eligibility

- 1.1 Your generation facility must generate electricity solely from solar radiation, wind, a drop in water elevation, an agricultural bio-mass resource or any combination of the foregoing.
- 1.2 The electricity generated by your generation facility must be primarily for your own use.
- 1.3 The maximum cumulative output capacity of the equipment used to generate electricity shall be no greater than 500 kW based on the rated maximum output capacity of the equipment.
- 1.4 You agree that the connection of your generation facility to Bluewater Power’s distribution system shall also be bound by the requirements of the Ontario Energy Board *Distribution System Code* and Bluewater Power’s Conditions of Service.
- 1.5 You are not participating in Ontario’s Standard Offer Program.

2.0 Technical Requirements

- 2.1 You agree to have transfer and isolating capabilities installed on your generation facility if you wish to run it during a power outage affecting Bluewater Power’s distribution system. You also agree that your generation facility must be disconnected from Bluewater Power’s distribution system during such an outage.
- 2.2 You have installed an isolation device that meets the requirements of Section 84 of the *Ontario Electrical Safety Code* and agree that Bluewater Power may operate your isolation device as required for the maintenance and repair of the distribution system.
- 2.3 You agree to have regular scheduled maintenance performed on your generation facility in order to assure that connection devices, protection systems, and control systems are maintained in good working order and in compliance with all applicable laws, statutes, codes, licensing requirements, directives, rules, regulations, protocols, policies, orders, injunctions, rulings, awards, judgments, or decrees or any requirement or decision or agreement with or by any government or government department, commission, board, court authority or agency.
- 2.4 You agree to meet the requirements as outlined in the Technical Requirements for Generators Connecting to Bluewater Power’s Distribution System as outlined in the *Distribution System Code Appendix F*. Additional requirements may be necessary to address unique situations, and Generators will be advised of any additional requirements at the appropriate assessment stage.

3.0 Liabilities

- 3.1 You covenant and agree that the design, installation, maintenance, and operation of your generation facility will not jeopardize the safety and security of both the generation facility and Bluewater Power’s distribution system. This includes, but is not limited to, automatic disconnection of your generation facility from Bluewater Power’s distribution system, as per Bluewater Power’s generator protective relay settings, specified in Table 1 of this Agreement, in the event of a power outage affecting Bluewater Power’s distribution system or any abnormal operation of Bluewater Power’s distribution system. You acknowledge and agree that the protective relay settings of your generation facility are as specified in Table 1 of this Agreement.
- 3.2 You acknowledge and agree that in the event Bluewater Power, in its sole discretion, determines that your generation facility is damaging and/or is producing adverse effects on other Bluewater Power customers or on Bluewater Power’s distribution system assets, you will disconnect your generation facility immediately from Bluewater Power’s distribution system and correct the problem at your expense and you will indemnify and save harmless Bluewater Power for all of the

damages and/or adverse effects caused by the connection of your generation facility to Bluewater Power's distribution system.

- 3.3 Notwithstanding the generality of Section 3.2, you acknowledge and agree that in cases where your generation facility is connected to a Bluewater Power transformer that you are responsible for any and all damage to the Bluewater Power equipment caused by the operation of your generation facility.

4.0 Compensation and Billing

- 4.1 If you purchase electricity from Bluewater Power you agree that to be billed on a net metering basis the following applies:
- 4.1.1 Bluewater Power will not pay you for any excess generation that results in a net delivery of energy to Bluewater Power beyond a 12 month period.
 - 4.1.2 Cumulative excess generation can only be carried over for a period of up to 12 months to offset your future electricity costs.
 - 4.1.3 You will be billed monthly if your generation facility rating is above 10 kW as determined by Bluewater Power. You also agree that Bluewater Power may use your phone line to access your meter for billing purposes.
 - 4.1.4 If your net consumption for a billing period is zero, or results in a credit, the delivery portion of your bill will not include kilowatt-hour based charges.
- 4.2 If you have a contract with an electricity retailer, you agree that the following applies:
- 4.2.1 You are billed under the bill-ready form of distributor-consolidated billing pursuant to the *Ontario Energy Board Retail Settlement Code*; and
 - 4.2.2 You will not be eligible to be billed on a net metering basis unless the retailer confirms to Bluewater Power that you and the retailer have an agreement allowing you to return eligible electricity to the retailer for billing on a net metering basis.
- 4.3 If there is no scheduled meter read, you agree to provide meter readings to Bluewater Power in the manner and on the schedule specified by Bluewater Power to calculate your bill. You acknowledge in the event that we have not read your meter during the billing period or you have not provided suitable meter readings, Bluewater Power will bill you as if you have not consumed or returned any electricity. Once an actual meter read is performed, Bluewater Power will bill you on your actual consumption and credit you for electricity returned. To determine the month in which the value of your accrued electricity credits is reduced to zero, Bluewater Power will prorate the electricity you use and return based on the actual meter readings. For example, we would use your most recent actual meter reading and subtract it from your last actual meter reading to determine your average use and return per day during the billing period.
- 4.4 If you are a HST registrant, you are required to charge Bluewater Power for HST on the electricity you generated for input into Bluewater Power's distribution system. Bluewater Power is also required to bill you for HST on the amount of electricity you used from Bluewater Power's distribution system. Both amounts of HST will be shown on your bill. Bluewater Power is not permitted to "net" the amount of electricity you generated against what you used for the calculation and remittance of HST. Each month, if the HST charged by Bluewater Power exceeds the HST you charge Bluewater Power; you will pay the net amount of HST to Bluewater Power. However, if the HST charged by Bluewater Power is less than the HST you charge Bluewater Power, Bluewater Power will credit the net amount of HST against the other charges included on that bill. In each case, you will report the HST amount you charge Bluewater Power on Line 103 of the HST Return and, if you are eligible to claim HST paid to Bluewater Power as an input tax credit, the HST you are charged by Bluewater Power will be reported on Line 106. You will either pay the difference to the Receiver General when you file your HST return or claim a refund if your total credits exceed the taxes you collected. You may wish to consult your accountant about HST treatment.
- 4.5 If you are not a HST registrant, Bluewater Power is required to charge HST for the electricity you used from Bluewater Power's distribution system. Bluewater Power is not permitted to net the amount of electricity you generated against what you used for the calculation and remittance of HST.

5.0 Connection Costs

5.1 You agree to pay for the actual cost of modifications and upgrades to the distribution facilities required to connect your generation facility. The amount to be charged to construct the expansion to connect a generation facility to Bluewater Power’s distribution system shall not exceed your share of the present value of the projected capital and ongoing maintenance costs for the equipment. Projected revenue and avoided costs from the generation facility shall be assumed to be zero. The methodology and inputs used to calculate this amount are presented in *Appendix B* of the *Distribution System Code*.

6.0 Future Charges

6.1 You agree to pay, if required, any current or future charges or tariffs as approved by the Ontario Energy Board with respect to the connection of your generation facility to Bluewater Power’s distribution system.

7.0 Termination

7.1 You may terminate this Agreement at any time by providing Bluewater Power with 90 days prior written notice.

7.2 You agree that Bluewater Power reserves the right to terminate this Agreement on 30 days prior written notice:

- (a) if Bluewater Power discontinues the Net Metering Program; or
- (b) if you breach a term of this Agreement and do not remedy the breach within 30 days of receiving written notice from Bluewater Power of the breach.

7.3 You acknowledge and agree that upon termination of this Agreement, you must disconnect your generation facility from Bluewater Power’s distribution system in a timely manner and to Bluewater Power’s satisfaction.

7.4 Furthermore, you acknowledge and agree that if this Agreement is terminated, you may not be permitted to return eligible electricity to Bluewater Power for the purpose of being billed on a net metering basis for 12 months after the termination.

I understand, accept and agree to comply with and be bound by the above terms and conditions governing the connection of my generation facility to Bluewater Power’s distribution system.

Customer Signature: _____ Date: _____

Customer Name: _____
(Please print)

<i>For office use:</i>	<i>Station</i>	_____	<i>Feeder</i>	_____	<i>Date</i>	_____
<i>Meter:</i>	<i>Dual Register</i>	_____	<i>Interval Single Phase</i>	_____	<i>Connected Interval Three Phase</i>	_____

Generator Protective Relay Settings

Table 1 – Inverter Based Generation

The following relay settings shall be used for inverters built to the CSA standard:

Source: CSA C22.2 No. 107.1-01 Table 16

System Voltage $V_n = V$ nominal V (Volts)	Frequency F (Hertz)	Maximum number of cycles to disconnect	
		Seconds	Cycle
$V < 0.5 V_n$	60	0.1	6
$0.5 V_n \leq V < 0.88 V_n$	60	2	120
$1.10 V_n \leq V < 1.37 V_n$	60	2	120
$V \geq 1.37 V_n$	60	0.033	2
V_n	$F < 59.5^*$	0.1	6
V_n	$F > 60.5$	0.1	6

*The UL1741 & IEEE P1547 Standards use $F < \text{rated} - 0.7$ i.e. 59.3 Hz.
To update if CSA C22.2 No. 107.1-01 is changed.

- If you are uncertain about your generation equipment's protective relay settings, please check with your generating equipment supplier.
- Automatic reconnect setting time for your generator is after five minutes of normal voltage and frequency on the Bluewater Power distribution system.

Note: **Keep a copy of this completed agreement for your use when the Bluewater Power field representative visits your site.**