



Distributed Generation Facility Simplified Connection Agreement

In consideration of GrandBridge Energy Inc. agreeing to allow you to connect your _____ kW name-plate rated capacity generation facility to GrandBridge Energy's distribution system, you hereby agree to the following terms and conditions.

1.0 Eligibility

1.1 You agree that your generation connection shall be subject to all applicable laws and bound by the terms and conditions of GrandBridge Energy's Conditions of Service, which have been filed with the OEB and are available on request.

2.0 Technical Requirements

2.1 You represent and warrant that you have installed or will install prior to the connection of your generation facility to GrandBridge Energy's distribution system, an isolation device satisfying Section 84 of the Ontario Electrical Safety Code and agree to GrandBridge Energy's staff operation of this as required for the maintenance and repair of the distribution system.

2.2 You agree to perform regular scheduled maintenance to your generation facility as outlined by the manufacturer 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.

2.3 You agree that during a power outage on the GrandBridge Energy system your generation facility will shut down, unless you have installed special transfer and isolating capabilities on your generation facility. You agree to the automatic disconnection of your generation facility from GrandBridge Energy's distribution system, as per the generator protective relay settings set out in this Agreement, in the event of a power outage on GrandBridge Energy's distribution system or any abnormal operation of GrandBridge Energy's distribution system.

2.4 You covenant and agree that the design, installation, maintenance, and operation of your generation facility are conducted in a manner that ensures the safety and security of both the generation facility and GrandBridge Energy's distribution system.

2.5 Due to GrandBridge Energy's obligation to maintain the safety and reliability of its distribution system, you acknowledge and agree that in the event GrandBridge Energy determines that your generation facility (i) causes damage to; and/or (ii) is producing adverse effects affecting other distribution system customers or GrandBridge Energy's



assets, you will disconnect your generation facility immediately from the distribution system upon direction from GrandBridge Energy and correct the problem at your own expense prior to reconnection.

3.0 Liabilities

3.1 You and GrandBridge Energy will indemnify and save each other harmless for all damages and/or adverse effects resulting from either party's negligence or willful misconduct in the connection and operation of your generation facility or GrandBridge Energy's distribution system.

3.2 GrandBridge Energy and you shall not be liable to each other under any circumstances whatsoever for any loss of profits or revenues, business interruptions losses, loss of contract or loss of goodwill, or for any indirect, consequential, incidental or special damages, including but not limited to punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, tort or otherwise.

Compensation and Billing

4.1 If you are not an embedded retail generator, you agree that, subject to any applicable law:

- a) GrandBridge Energy will not pay you for any excess generation that results in a net delivery to GrandBridge Energy between meter reads; and
- b) there will be no carryover of excess generation from one billing period to the next unless you are, at the relevant time, a net metered generator (as defined in section 6.7.1 of the Distribution System Code).
- c)

4.2 If you are an embedded retail generator selling output from the distributed generation facility to the Ontario Power Authority under contract, you agree that GrandBridge Energy will pay you for generation in accordance with the Retail Settlement Code.

4.3 If you are an embedded retail generator delivering and selling output to GrandBridge Energy, you agree that GrandBridge Energy will pay you for generation in accordance with the Retail Settlement Code.

4.0 Termination

5.1 You understand that you have the right to terminate this agreement at any time, and that by doing so you are required to disconnect your generation facility and notify GrandBridge Energy of such action.

5.0 Assignment



6.1 You may assign your rights and obligations under this Agreement with the consent of GrandBridge Energy, which shall not withhold its consent unreasonably. GrandBridge Energy shall have the right to assign its rights and obligations under this Agreement without your consent.

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 GrandBridge Energy's distribution system.

Generator Signature: _____ Date: _____

Print name and LDC account number: _____

I confirm that the following information is true and accurate:

Nameplate rating of Generator: _____ kW Total installed generation _____ kW

Type: ☐ Wind Turbine ☐ Photovoltaic (Solar) ☐ Hydraulic Turbine ☐ Fuel Cell

☐ Other _____

Inverter Utilized: ☐ Yes ☐ No

Inverter Certification: ☐ C22.2 #107.1 ☐ UL 1741 ☐ Site Certified by the ESA



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	Cycles
$V < 0.5 V_n$	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
$V > 1.37 V_n$	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.

Table 2: Non Inverter Generation

GrandBridge Energy's minimum requirements, for other generation are as follows:

System Voltage $V_n = V$ nominal V (Volts)	Frequency F (Hertz)	Maximum clearing time*	
		Seconds	Cycles
$V < 0.5 V_n$	60	0.16	9.6
$0.5 V_n \leq V < 0.88 V_n$	60	2	120
$1.10 V_n \leq V < 1.20 V_n$	60	1	120
$V > 1.20 V_n$	60	0.16	9.6
V_n	$F < 59.3$	0.16	9.6
V_n	$F > 60.5$	0.16	9.6



*Clearing time is the time between the start of the abnormal condition and the generation ceasing to energize GrandBridge Energy's distribution system.

- 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 5 minutes of normal voltage and frequency on GrandBridge Energy's distribution system.