In consideration of HEARST Power Distribution Co. Ltd. (Hearst Power) agreeing to allow you to connect your 10 kW name-plate rated capacity or smaller generation facility to Hearst Power's distribution system, you hereby agree to the following terms and conditions.

## Eligibility

* 1. You agree that your generation connection shall be subject to all applicable laws and bound by the terms and conditions of Hearst Power’s Conditions of Service as amended from time-to-time, which have been filed with the OEB and are available on request.

## Technical Requirements

* 1. You represent and warrant that you have installed or will install prior to the connection of your generation facility to Hearst Power’s distribution system, an isolation device satisfying Section 84 of the Ontario Electrical Safety Code and agree to allow Hearst Power’s staff access to and operation of Hearst Powers as required for the maintenance and repair of the distribution system.
  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.
  3. You agree that during a power outage on the Hearst Power 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 Hearst Power’s distribution system, as per the generator protective relay settings set out in Hearst Powers Agreement, in the event of a power outage on Hearst Power’s distribution system or any abnormal operation of Hearst Power’s distribution system.
  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 Hearst Power’s distribution system.
  5. Due to Hearst Power’s obligation to maintain the safety and reliability of its distribution system, you acknowledge and agree that in the event Hearst Power determines that your generation facility (i) causes damage to; and/or (ii) is producing adverse effects affecting other distribution system customers or Hearst Power’s assets, you will disconnect your generation facility immediately from the distribution system upon direction from Hearst Power and correct the problem at your own expense prior to reconnection.

## Liabilities

* 1. You and Hearst Power 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 Hearst Power’s distribution system.
  2. Hearst Power 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

* 1. If you are not an embedded retail generator, you agree that, subject to any applicable law:
     1. Hearst Power will not pay you for any excess generation that results in a net delivery to Hearst Power between meter reads; and
     2. 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).
  2. If you are an embedded retail generator selling output from the embedded generation facility to the Ontario Power Authority under contract, you agree that Hearst Power will pay you for generation in accordance with the Retail Settlement Code.
  3. If you are an embedded retail generator delivering and selling output to Hearst Power, you agree that Hearst Power will pay you for generation in accordance with the Retail Settlement Code.

## Termination

* 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 Hearst Power of such action.

## Assignment

* 1. You may assign your rights and obligations under this Agreement with the consent of Hearst Power which shall not withhold its consent unreasonably. Hearst Power 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 Tillsonburg Hydro Inc's distribution system.**

Project Address:

Customer Signature: Date:

Print Name:

Hearst Power Account Number:

**I confirm the following information is true and accurate:**

Nameplate Rating of Generator: kW Total Installation Generation: kW

Type: [ ] Wind Turbine [ ] Solar Photovoltaic (PV) [ ] Hydraulic Turbine [ ] Fuel Cell

[ ] Other

Inverter Utilized: [ ] Yes [ ] No

Inverter Certification: [ ] C22.2 #107.1 [ ] UL 1741 [ ] Site Certified by ESA

*For Office Use Only:*

*Station: Feeder: Date Connected:*

## Generator Protective Relay Settings:

Generator clearing time is the time between the start of the abnormal condition and the generation ceasing to energize Hearst Power’s distribution system. If you are uncertain about your generation equipment’s protective relay settings, please check with your generating equipment supplier. The automatic reconnect setting time for your generator is after 5 minutes of normal voltage and frequency on the Hearst Power distribution system.

The following relay settings shall be used for **inverter-based generators**, with inverters built to the CSA standard:

|  |  |  |  |
| --- | --- | --- | --- |
| **Voltage (Volts)**  V = System Voltage  Vn = Nominal Voltage | **Frequency, F (Hertz)** | **Maximum Number of Cycles to Disconnect** | |
| **Seconds** | **Cycle** |
| V < 0.50 Vn | 60 | 0.1 | 6 |
| 0.50 Vn ≤ V < 0.88 Vn | 60 | 2 | 120 |
| 1.10 Vn ≤ V < 1.37 Vn | 60 | 2 | 120 |
| V ≤ 1.37 Vn | 60 | 0.033 | 2 |
| Vn | F < 59.5\* | 0.1 | 6 |
| Vn | F > 60.5 | 0.1 | 6 |
| \* *The UL1 741 & IEEE P1547 Standards use F < rated-0.7 i.e. 59.3 Hz. To update if CSA C22.2 No. 107.1-01 is changed* | | | |

**Figure 1: Inverter Based Generation Relay Settings**

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

The following relay settings are minimum requirements for other **non-inverter-based generators**:

|  |  |  |  |
| --- | --- | --- | --- |
| **Voltage (Volts)**  V = System Voltage  Vn = Nominal Voltage | **Frequency, F (Hertz)** | **Maximum Number of Cycles to Disconnect** | |
| **Seconds** | **Cycle** |
| V < 0.50 Vn | 60 | 0.1 | 6 |
| 0.50 Vn ≤ V < 0.88 Vn | 60 | 2 | 120 |
| 1.10 Vn ≤ V < 1.20 Vn | 60 | 2 | 120 |
| V ≤ 1.20 Vn | 60 | 0.033 | 2 |
| Vn | F < 59.3 | 0.1 | 6 |
| Vn | F > 60.5 | 0.1 | 6 |

**Figure 2: Non-Inverter Based Generation Relay Settings**

***Note: Keep this completed agreement for use when Hearst Power field representative visits your site.***