Appendix B1: Metering Connection Options for Micro-Generation Facility

A. MicroFIT Program

For Micro-Generators under MicroFIT program, Kitchener-Wilmot Hydro Inc. will select one of the following metering connections:

1. Direct Connection
2. Indirect Parallel Connection

In the **Direct Connection**, Kitchener-Wilmot Hydro Inc. will install a separate service to connect the generator to Kitchener-Wilmot Hydro Inc.'s system. A bi-directional meter is required for the generator. The generator has a separate service and incurs the fixed monthly customer charge.

In the **Indirect Parallel Connection**, Kitchener-Wilmot Hydro Inc. will utilize the existing load service of the customer to connect the generator. The generator and its bi-directional meter will be installed in parallel with the load service meter of the customer. The point of connection is at both meters owned by Kitchener-Wilmot Hydro Inc. The generator has a separate meter service and incurs the monthly customer charge.

B. Net Metering Program

Under the **Net Metering** program, Kitchener-Wilmot Hydro Inc. will replace the existing load service meter with a bi-directional service meter at the customer's cost. The point of connection is at the replaced meter owned by Kitchener-Wilmot Hydro Inc. The customer with the Net Metered generator has only one meter and one account thus incurs the monthly charge same as the regular load customer.

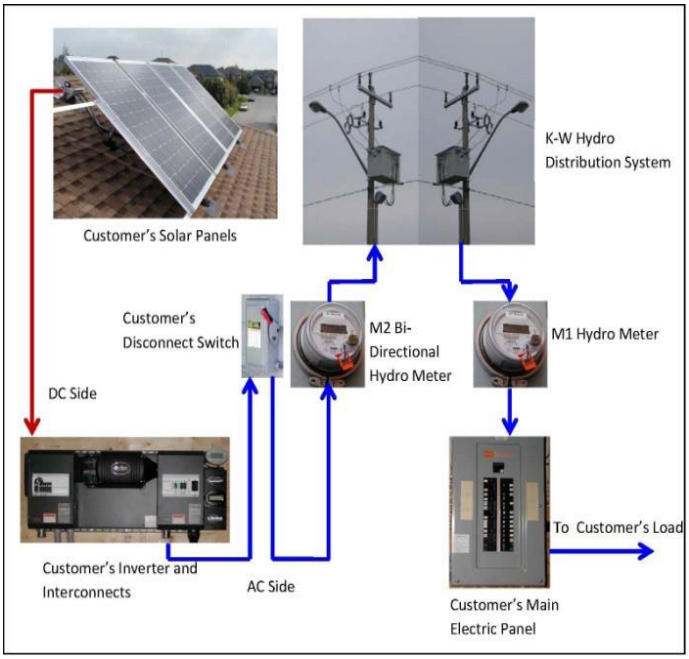
General

Fig. 1 illustrates the typical metering connection for 120/240 or 120/208 Volts single phase micro- generation facility under either MicroFIT program or Net Metering Program, for information only. The metering configuration may vary depending on the connection voltage and phasing, the existing service connection and other site-specific details. All connected generators shall comply with the requirements in Section 2.3.7 of Kitchener-Wilmot Hydro Inc.'s Conditions of Service. Each new meter configuration will be reviewed and approved by Kitchener-Wilmot Hydro Inc. on a case-by-case basis.

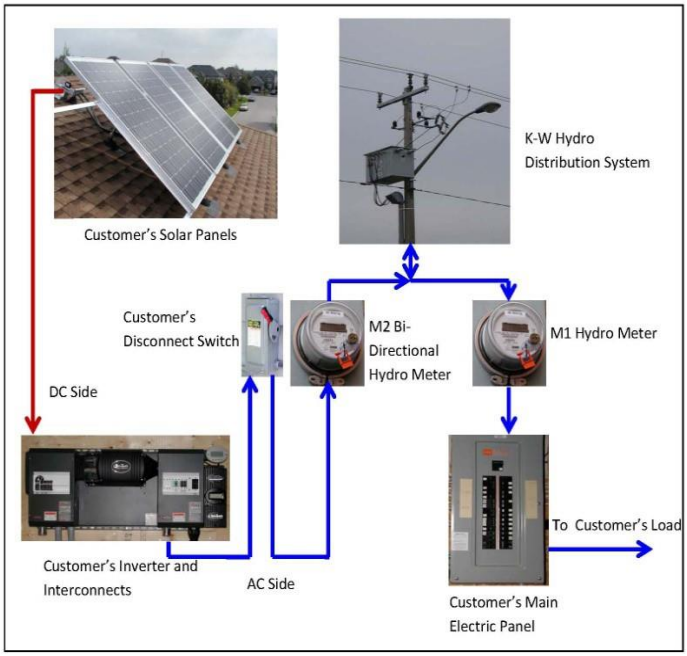
All connected generators under either MicroFIT program or Net Metering program should have an isolation device behind the generation meter in compliance with Section 84 of the Ontario Electrical Safety Code and agrees to allow the Distributor's staff to access to and operation of this isolation device as required for the maintenance and repair of Kitchener-Wilmot Hydro Inc.'s Distribution System. This isolation device shall be placed beside the Hydro meter for easy access. For existing load customer, the new generation meter shall be placed beside the existing Hydro meter. No matter which metering connection is selected Kitchener-Wilmot Hydro Inc. owns all Hydro meters.

Settlement of energy produced under different metering configuration is not the same. The cost of metering may vary depending on specific metering configuration and site details.

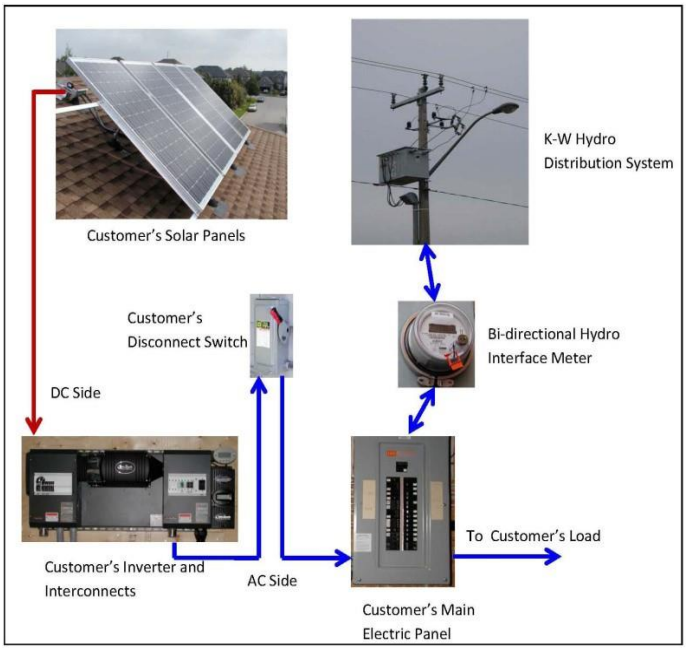
If the existing Net Metering customer plans to switch to the MicroFIT program, the customer must provide Kitchener-Wilmot Hydro Inc. a 90-day written notice to terminate the Net Metering agreement.



(a) FIT Program- Direct Connection



(b) FIT Program- Indirect Parallel Connection



(c) Net Metering Program

Fig 1. Metering Illustration for Micro Generation Facilities

(120/240 or 120/208 Volts Single-Phase)