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Generator Request for Initial Consultation & MicroGenerator Connection Application Form

Instructions

Completion and submission of this form is the first step for distributed generators interested in connecting to Kingston Hydro's electricity distribution system. Please ensure that this form is filled out completely and accurately. It is recommended that prospective distributed generators read Kingston Hydro's "Guide for Distributed Generators" and relevant documents listed in its Appendix B before requesting an Initial Consultation.

In order to assist prospective distributed generators in determining the feasibility of a generation facility at a given location and filling out the Initial Consultation Request Form, the following information is available upon request for a maximum of 3 potential locations per applicant:

- A description of the relevant portion of the distribution system
- Schematics showing major transmission, distribution and sub-distribution lines
- Transformer and distribution stations
- Distribution voltage levels
- Geographic references compatible with a road map
- Information on voltage level, fault level, and minimum/maximum feeder loadings

The purpose of an initial consultation is to assist the prospective distributed generator in determining the basic feasibility of the proposed facility for a given location, provide information on connection options and the connection process, and furnish the prospective generator with estimates of the timeline and cost for completing a connection.

If you have any questions regarding this form or the process for connecting distributed generation to the Kingston Hydro distribution system, please contact Utilities Kingston's Service Advisors at (613) 546-1181 ext 2285.or microfit@utilitieskingston.com

Date: _____

1. Generation Facility Owner:

Contact Name: _____

Company: _____

H.S.T. # _____

Mailing Address: _____

Telephone: _____

Fax: _____

E-mail: _____

2. Generation Facility Location:

Street Address: _____

Postal Code: _____

Description: _____

Kingston Hydro Account #: _____

3. **Generation Facility Developer (if not the same as Generation Facility Owner):**

Contact Name: _____

Company: _____

H.S.T. # _____

Mailing Address: _____

Telephone: _____

Fax:_____

E-mail: _____

○ Residential ○ Commercial ○ Industrial

4. Electrical Service Entrance

Single Line Diagram (photos are helpful) _____

Load Meter(s) Location _____

Load Meter(s) type_____

Generator Meter Location _____

Generator Meter type _____

Generator Disconnect _____

5. Generation Facility Description:

Fuel Source:

Conventional

☐ Gas engine
☐ Diesel engine
☐ Micro turbine
☐ Other _____

Renewable

☐ Photovoltaic
☐ Wind
☐ Hydro
☐ Biogas / Biomass
☐ Other _____

Will this facility be directly connected to Kingston Hydro's distribution grid or will it be behind the meter of a Kingston Hydro customer's electricity service?

○ Direct (Utility side of load meter)
○ Embedded

Do you intend to use the generation facility to supply battery backup or emergency backup generation?

○ Yes
○ No

6. Generator Voltage and Type:

Generation Voltage: _____

- AC Volts
- DC Volts

Generation Type:

- Synchronous
- Induction
- Inverter

7. Desired Financial Settlement Option

- Load Displacement
- Net Metered
- FIT or Micro FIT Program
- IESO Wholesale Market
- Provincial RFP

8. Generator Specs

Photovoltaic Panel Specs

Max power output rating of each panel ____W

Quantity of panels ____

Total Panel Capacity 0_____ kW

Inverter Specs

Make _____

Model _____

Nominal output voltage _____V

Max power output rating _____kW

Power Factor _____%

Efficiency _____%

Quantity of inverters ____

Total Inverter output 0____W

Number of phases One Three

Battery back-up Yes No

Total Rated System Capacity (typically max power output rating of inverter) 0_____ kW

Intermediate Customer Transformer Data

Rating ____KVA

Number of Phases_____

Winding Connection & Voltage_____

Dry-type or Oil-Filled_____

Impedance___%

9. OPA Info

FIT Reference #_____

Status_____

For Office Use Only

Inverter compliance

UL 1741 (until December 31, 2010 ☐

Certified to CSA C22.2 #107.1 General Use Power Supplies ☐

Other (please specify) ☐

Distribution Feeder

- Normal 44kV Supply TS and Circuit:
- #Normal Supply DS and Circuit:
- Number of Phases:
- Phase:
- Distribution Transformer Data
  - Rating KVA
  - Number of Transformer Units
  - Number of Phases
  - Winding Connection & Voltage
  - Oil-filled or Dry-type
  - Impedance

Billing & Metering

- Series or Parallel Metering
- Primary or Secondary Metering
- Meter Base