

Connection Application Form for MicroDER

Submission Instructions

Completion and submission of this form for microDERs 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 at <https://www.kingstonhydro.com/LocalGeneration> and use the Primary Consultation Information Request Form as the initial step.

When applying, please ensure that you also provide all the necessary documents for review including:

- Single Line diagram indicating location of service, meters, and relevant equipment proposed in the MicroDER
- Information pages (cutsheets) of all major equipment (for example, panels and inverters or battery cell)
- Provide information on any existing DER resource at location, if applicable

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 ServiceAdvisors@utilitieskingston.com

Date: _____

1. DER Project Location:

Street Address: _____
Postal Code: _____
Description: _____
Kingston Hydro Account #: _____

2. DER Host Customer (*load facility owner*):

Contact Name: _____
Company: _____
H.S.T. # _____
Mailing Address: _____
Telephone: _____
Fax: _____
E-mail: _____

3. DER Owner (*if different from host customer*):

Contact Name: _____
Company: _____
H.S.T. # _____
Mailing Address: _____
Telephone: _____
Fax: _____
E-mail: _____

4. DER Consultant:

Contact Name: _____

Company: _____

Mailing Address: _____

Telephone: _____

Fax: _____

E-mail: _____

5. 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 _____

Residential

Commercial

Industrial

6. Generation Facility Description:

Fuel Source:

Renewable

Photovoltaic

Wind

Hydro

Biogas / Biomass

Other _____

Conventional

Gas engine

Diesel engine

Micro turbine

Other _____

Will this facility be Net-Metered or will it be a
behind-the-meter connection?

Net-Metered
Behind-the-Meter

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

Yes
No

7. Generation Facility Details:

Generation Voltage: _____

AC Volts

DC Volts

Generation Type:

Synchronous

Induction

Inverter

8. Generator Specs

Photovoltaic Panel Specs

Max power output rating of each panel ____Y

Quantity of panels ____

Total Panel Capacity _____kW

Inverter Specs

Make _____

Model _____

Nominal output voltage _____ V

Max power output rating ' ' ' ____kW

Power Factor ____%

Efficiency ____%

Quantity of inverters ____

Total Inverter output ____Y

Number of phases ~~One~~ ~~Three~~

Battery back-up ~~Yes~~ ~~No~~

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

Intermediate Customer Transformer Data

Rating ____KVA

Number of Phases_____

Winding Connection & Voltage_____

Dry-type or Oil-Filled_____

Impedance____%

9. Notes

For Office Use Only

Inverter compliance

UL 1741-SA

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 ~~XXXXXX~~ 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