Micro-Embedded Generation Facility Application

Please complete a separate form for each account and return the completed form(s) to:

Email: der@torontohydro.com
Subject: Micro-Embedded Generation Facility Application

Mail: Toronto Hydro
500 Commissioners St. 3rd Floor
Toronto, ON M4M 3N7
Attention: Benson Lo, Distributed Energy Resource Connections, Capacity Planning and Grid Innovation

This application is for micro-embedded generation facilities, including net metering, that are ≤ 10 kW.

Section A: Administrative information

Program (choose one)	☐ Net metering ☐ Other (please specify): _____

Existing Distributed Energy Resource (DER) information

Is there an existing DER on the property?	☐ Yes ☐ No
IESO contract # for existing generators (if applicable)	
Resource technology of existing DER	☐ Solar photovoltaic (PV) ☐ Energy storage ☐ Other: _____ (please specify)
Nameplate capacity of existing DER	_____ kW
Mode of operation of existing DER	☐ Back-up generation ☐ Load displacement ☐ Power export ☐ Other (please specify): _____

Section B: Contact information

	Toronto Hydro service location (project site)	DER owner (project owner)	Engineering consultant (electrical consultant/contractor)
Company/person			
Street address			
City			
Postal code			
Contact name			
Work phone number			
Mobile phone number			
Email address			

Section C: Billing contact

☐ Toronto Hydro customer ☐ DER owner ☐ Engineering consultant
☐ Other (please specify): _____

Section D: Project description

Dates	Proposed construction start date (dd/mm/yyyy)				
	Proposed in-service date (dd/mm/yyyy)				
Account	If you are a HST registrant, provide your HST number				
	Toronto Hydro account number				
Generator/ storage (if applicable)	DER resource technology (select all applicable)	☐ Solar PV ☐ Energy storage ☐ Other (please specify): _____			
		Generator		Storage	
	Manufacturer				
	Model number				
	Power factor (p.u.)				
	[A]: Number of units				
	[B]: Rating of each unit	kW	kVA	kWh	kW
	Proposed total capacity = [A] × [B]	kW	kVA	kWh	kW
	Number of phases	☐ One ☐ Three			
	Output voltage (V)				
Mode of operation	Load displacement	☐ Yes, existing load _____ kW ☐ No, new load _____ kW			
	Power export	☐ Yes ☐ No _____ kW			
	Peak period only	☐ Yes ☐ No _____ kW			

Please be advised that the nameplate capacity for solar PV systems is determined by taking the lesser of:
i. The sum of the manufacturer's capacity ratings (in kW) for normal operation (e.g., continuous output ratings) of the installed solar modules (i.e., panels) of the Facility; or
ii. The sum of the manufacturer's capacity ratings (in kW) for normal operation (e.g., continuous output ratings) of the installed inverters of the Facility.

Section E: Single line diagram (SLD)

Provide an updated SLD of the Generating Facility, which includes the Interface point/point of common coupling (PCC) to Toronto Hydro's distribution system.

Note: If the project includes upgrades to existing Embedded Generation Facilities, show the existing and new electrical equipment.

SLD drawing number:	Revision:

Single line diagram checklist

Item description	Check as applicable
Main distributed generation disconnect device (with description of location)	☐
Interface point/PCC to Toronto Hydro's distribution system	☐
Fuses/circuit breakers	☐
Generators (PV or energy storage inverter system)	☐
Other information	☐

Section F: Operation philosophy

If the installation is not part of Net Metering or where more than one type of generator (including batteries) is onsite, provide a description of the operating modes of the generator(s) and how they interact with the grid under the following conditions:

- Normal operating conditions
- During outage from the grid
- Upon restoration of grid power

Drawing number:	Revision:

Section G: Toronto Hydro information

This section is to be filled out by Toronto Hydro representatives for internal use only.

DER project reference number:	Distributed generator number:

IMPORTANT NOTES

The information and, where applicable, personal information being collected via this form is being collected by Toronto Hydro for the purposes of facilitating Distributed Energy Resource connections. By signing this form, you are agreeing to Toronto Hydro collecting the information and, where applicable, personal information on this form, and are consenting to its usage by Toronto Hydro for the aforementioned purposes. By opting to submit this form, you are acknowledging that you accept the risk of communications to and from Toronto Hydro not being encrypted or secure, and that the personal information contained in this form, where applicable, including but not limited to name, service address, phone number, email address and Toronto Hydro account number, could be intercepted and/or read by unintended parties. Toronto Hydro accepts no liability for any loss and/or damages caused by unintended parties intercepting and/or reading email communications contained in this form.

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