

# 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:

- 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
- 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:

## Customer signature

Customer name (print)

Customer signature

Date signed

*By submitting this form, you agree to participate in Toronto Hydro's micro-distributed energy resource ("DER") connection process and to the collection and use of your personal information in accordance with applicable privacy legislation, including the Municipal Freedom of Information and Protection of Privacy Act, and under the authority of the Electricity Act, 1998, and the Ontario Energy Board Act, 1998, for the purpose of administering the DER connection process. By opting to submit this form via email, 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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