

Distributed Energy Resource (DER) Connection

Preliminary Consultation Report (PCR)

Distributor Template Version 1.1

1. Information

The PCR is an official response to an Applicant's Preliminary Consultation Information Request (PCIR). It assists the Applicant in completing a potential Connection Impact Assessment application (CIA), should the Applicant decide to proceed.

Please note that the information provided below is based on information and records available at the time that this PCR was issued and is subject to change and verification. Further, the preliminary consultation process does not consider the full range of technical evaluations that would be performed through a CIA. Finally, capacity is only reserved upon completion of a successful CIA, in accordance with Distribution System Code and DER Connection Procedures requirements.

2. Distributor Contact Information

2.01 Contact Information

A. Distributor Name	-	Orangeville Hydro
B. Department Name	-	Engineering Department
C. Department Address	-	400 C Line
D. Department City & Postal Code	-	Orangeville, Ontario L9W 3Z8
E. Department Phone	-	(519) 942-8000 EXT 3
F. Department Email	-	operations@orangevillehydro.on.ca

3. General Application Information

3.01 Administration

A. Project ID	-		Assigned by Distributor
B. Project Name	-	--	As provided by customer
C. Report Date	Date		Assigned by Distributor

3.02 Applicant Information

A. Applicant (Company Name)	-	--	As provided by customer
B. Applicant Representative Email	-	--	As provided by customer

3.03 Project Nameplate & Type

A. Proposed Capacity (Aggregate)	kW	--	As provided by customer
B. Exporting/Non-Exporting		--	As provided by customer
C. Proposed Export Capacity (Aggregate)	kW	--	As provided by customer
D. Connection Type (Single/Three-Phase)		--	As provided by customer
E. Inverter-Based/Non-Inverter-Based		--	As provided by customer

3.04 Proposed DER Fuel/Energy Type

A. Solar	-	--	As provided by customer
B. Wind	-	--	As provided by customer
C. Water (Hydroelectric)	-	--	As provided by customer
D. Biofuel/Biogas	-	--	As provided by customer
E. Thermal	-	--	As provided by customer
F. Energy Storage (including bi-directional EV)	-	--	As provided by customer
G. Other	Specify	--	As provided by customer

3.05 Site Information

A. Site Address	-	--	As provided by customer
B. Site City/Town/Township	-	--	As provided by customer
C. Site Postal Code	-	--	As provided by customer
D. Site GPS Co-ordinates	-	--	As provided by customer

3.06 Existing DERs at Site			
A. Existing DER Capacity (Aggregate)	kW	--	As provided by customer
B. Existing DER Connection (Single/Three-Phase)	-	--	As provided by customer
C. Existing DER Type (Inverter/Non-Inverter)	-	--	As provided by customer
D. Existing DER Intent (Exporting/Non-Exporting)	-	--	As provided by customer

4. Connection Overview

4.01 Site Connection Information

A. Existing Site Distribution Transformer Capacity	kVA		If customer owned, Applicant is to confirm with CIA application
B. Existing Site Distribution Transformer Ownership	Select		Distributor or Customer-Owned
C. Existing Connection Voltage	kV		-
D. Distributor Asset ID (if Applicable)	-		Transformer ID, Vault ID, etc.

4.02 Distribution System Assets

A. Distributor Name	-	Orangeville Hydro	Same as 2.01-A above
B. Distribution Station Name	-		-
C. Distribution Feeder Designation	-		-
D. Distribution Feeder Voltage	kV		-

4.03 Upstream Distribution Assets (if Applicable)

A. Upstream Distributor Name	-		-
B. Upstream Distribution Station Name	-		-
C. Upstream Distribution Feeder Designation	-		-
D. Upstream Distribution Feeder Voltage	kV		-

4.04 Transmitter

A. Transmitter Name	-		-
B. Transformer Station Name	-		-
C. Subtransmission Feeder Designation	-		-
D. Subtransmission Feeder Voltage	kV		-

4.05 Other Comments

A. Additional information not reported in the prescribed fields above (optional).

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5. Preliminary Assessment of Connection Complexity

In order to provide an earlier indication of the anticipated complexity of a connection, this section provides an initial assessment of likely connection requirements and their complexity levels. These requirements are typically based on judgment or simplified criteria, and would be subject to change through the CIA process and further consultation with upstream utilities, including host Distributor and the transmitter. Further, this preliminary assessment does not evaluate the potential for the full range of requirements set through the CIA process. Please also review section 6.01 for additional insight on areas of uncertainty.

The following are four potential complexity tiers.

- Extremely High:** Projects that are characterized as having “extremely high” complexity are likely not viable without entering a flexible hosting capacity arrangement, due to the nature of system constraints that preclude the connection of the contemplated DER facility.
- High:** Projects that are characterized as having “high” complexity can be made viable through a combination of transmission, distribution or customer-side infrastructure upgrades.
- Medium:** Projects that are characterized as having “medium” complexity can be made viable through a combination of distribution system upgrades. Transmission system upgrades are most likely not required. Customer-side infrastructure upgrades may be required.
- Low:** Projects that are characterized as having “low” complexity are viable with minor distribution system modifications. Transmission system upgrades are most likely not required. Customer-side infrastructure upgrades may be required.

No.	Item	Impact	Preliminary Assessment	Comments
5.01	Station Constraints			
	If this section identifies a thermal constraint or a short circuit constraint, it is most likely the proposed project would not be able to connect.			
	A. Thermal	Ex.	High	
	B. Short Circuit	Ex.	High	
5.02	Anticipated Impact Assessments Required			
	This section provides details about the connection study(ies) required for the proposed DER project as guidance only and does not assume the outcome of the CIA.			
	Please consult the Distributor website for instructions on how to apply for a CIA.			
	Please check the Independent Electricity System Operator (IESO)'s website for information on the System Impact Assessment if the Applicant plans to provide ancillary services.			
	A. Distributor CIA	Select		Move to section 5.06 if no Distributor CIA required due to a capacity constraint and the distributor doesn't offer flexible hosting capacity arrangement
	B. Host Distributor CIA	Medium		-
	C. Transmitter CIA	Medium		-
	D. IESO System Impact Assessment	High		Req'd for ancillary services & 10MW+
5.03	Distribution System Infrastructure			
	A. New Line Expansion	High		-
	B. Reconductoring of Existing Feeder Trunk	High		-
	C. Site Distribution Transformer Upgrades	Medium		-
	D. Reconductoring of Branch/Tap	Medium		-
5.04	Protection, Monitoring, Metering and Telecom			
	A. Station Protection Upgrades	High		-
	B. Remote Monitoring	Medium		-
	C. Metering Upgrades	Low		-
	D. Transfer Trip	High		-
5.05	Distributor-Specific Criteria			
	A. Optional (Distributor to complete if needed)	TBD		-
	B. Optional (Distributor to complete if needed)	TBD		-
	C. Optional (Distributor to complete if needed)	TBD		-

5.06 Distributor Overall Assessment of Connection Feasibility		
A. Anticipated Connection Capacity	Select	Preliminary assessment by Distributor
B. Anticipated Connection Complexity	Select	Preliminary assessment by Distributor

6. Additional Comments

6.01 Other Comments by Distributor

A. This section provides additional information not discussed in the prescribed fields above (e.g., potential flexible hosting capacity arrangement, alternate system configurations due to feeder switching, potential interconnection design suggestions, teleprotection and/or communication media, etc.).