

Guidance Document: Distributed Energy Resource (DER) Project Connection Cost Information

Common connection costs for small DERs:

No.	Cost Item	Approximate Cost						Notes
		Group 1	Group 2	Group 3 [†]	Group 4 [†]	Group 5 [†]	Group 6 [†]	
		≤ 12 kW	> 12 kW and ≤ 100 kW	> 100 kW and ≤ 250 kW	> 250 kW and ≤ 500 kW	> 500 kW and < 10 MW	≥ 10 MW	
1.	Engineering	-	-	-	2,000	\$13,000	\$13,000	
2.	Project Management	-	-	-	2,000	\$39,000	\$39,000	
3.	Commissioning	-	-	-	5,000	\$90,000	\$90,000	Cost based on last project (2019). Typically captured in Hydro One's Cost Estimate
4.	SCADA	-	-	-	\$15,000	\$15,000	\$15,000	
5.	Transfer Trip	-	-	-	-	\$138,000	\$138,000	Cost based on last project (2019). Typically captured in Hydro One's Cost Estimate
6.	Construction	-	-	-	-	30,000	30,000	
7.	CIA Fee(s)	-	\$3,575.00 ⁵	\$3,575.00	\$3,575.00	\$9,250.00	\$12,500.00	Does not include Hydro One or IESO – CIA & SIA Cost
Total Connection Cost		\$0	\$3,575.00	\$3,575.00	\$27,575	\$334,250.00	\$337,500	

* HST not included.

Notes:

1. EPCOR's CIA fees are for all generation project types including load displacement, net metering and energy storage.
2. Hydro One fee details can be found at found at: [Hydro One CIA Fee](#)
3. Detailed Technical Connection Assessment may apply.
4. Projects greater than 10 MW also require a System Impact Assessment (SIA) to be completed by IESO. IESO - [Overview of the Connection Process](#)
5. The decision to apply a customer's application under an existing Threshold Allocation is entirely at EPCOR's discretion.
6. Group 5 and 6 are based on old projects and carry a high level of uncertainty with projected costs.

[†]Group 3 and greater will involve Hydro One because EPCOR Electricity Distribution Ontario Inc. (EEDO) is an embedded distributor. EEDO costs will vary depending on Hydro One's CIA and cost estimate.

More information can be found on Hydro One's document: [Guidance Document: Distributed Energy Resource \(DER\) Project Connection Cost Information](#)

Guidance on Cost Variance:

DER Group	Project #	Project Type (Export vs Non-Export)	Connection Cost Estimate	Actual Connection Cost	Difference	Variance	Expansion Required	Transfer trip required	Build & Energization duration	General Notes
Group 1	1	Export	\$0	\$0	\$0	0%	NO	NO	5 months	
	2	Export	\$0	\$0	\$0	0%	NO	NO	5 months	
	3	Export	\$0	\$0	\$0	0%	NO	NO	1 month	
Group 2	1	Export	\$3,575.00	\$3,575.00	\$0	0%	NO	NO	12 months	Timeline based on customer construction schedule.
	2	Export	\$3,575.00	\$3,575.00	\$0	0%	NO	NO	12 months	Timeline based on customer construction schedule.
	3	Export	\$3,575.00	\$3,575.00	\$0	0%	NO	NO	15 months	
Group 3 [†]	-	-	-	-	-	-	-	-	-	No projects under this group to date.
Group 4 [†]	1	Non-Export	83,196.97	N/A	N/A	N/A	NO	NO	N/A	The project was cancelled during the commissioning phase. The cost estimate provided is based on the findings outlined in EPCOR's & Hydro One's CIA.
Group 5 [†]	-	-	-	-	-	-	-	-	-	No projects under this group within past 5 years.
Group 6 [†]	-	-	-	-	-	-	-	-	-	No projects under this group to date.

* HST not included.

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