

Common connection costs for DERs

SI No	Cost Item	Average(\$) based on name plate capacity					Note on potentially high variability factors affecting the cost
		<=12 KW	>12 KW and <=100 KW	>100 KW and <=500 KW	> 500 kW and ≤ 10 MW	> 10 MW	
1	Engineering	Nil	\$6,000.00	\$12,000.00	\$15,000.00	-	No projects >10MW yet
2	Metering	Nil	\$1,415.72 - \$7,450.37	\$7,450.37	\$7450.37 - \$90,000	\$90,000.00	
3	SCADA	Nil	\$23,394.00	\$37,693.00	\$37,693.00	\$37,693.00	
4	SCADA Commissioning	Nil	\$1,515.00	\$2,096.00	\$2,096.00	\$2,096.00	
5	CIA fees	Nil	-	\$3,696.01	\$8,718.77	\$11,656.59	
6	Simplified CIA	-	2557.79**				
7	Service Layout	200*					

UK = Utilities Kingston is an affiliate of Kingston Hydro (KH).

CIA -Connection Impact Assessment

* Only applicable if there is service upgrade with disconnect/reconnect

** 1869.17CAD for >12KW and <30KW - Single phase

2557.17CAD for >12KW and <100KW - 3Phase

Notes

- 1 Below costs are excluded as it could vary based on projects
 - a) HONI/IESO related fees
 - b) System upgrade cost
 - c) Application revisions if any
 - d) Communcation (Fiber) costs if applicable
 - e) Other costs as applicable based on CIA
 - f) Applicable Taxes
- 2 Kingston Hydro CIA fees are for all generation project types including load displacement, net metering and energy storage.
- 3 Projects connecting to Kingston Hydro feeder that is shared with Hydro One might be subject to extra Kingston Hydro fees. Contact UK for further details.
- 4 Kingston Hydro applies a 10% admin fee for processing payment of Hydro One Fees
- 5 CIA revisions will be charged 50% of the CIA costs listed in the table above
- 6 Projects greater than 500kW will also require a Transmitter Connection Impact Assessment (Detailed Technical Connection Assessment - DTCA).
- 7 Projects greater than 10 MW also require a System Impact Assessment (SIA) to be completed by IESO. contact DER team at DER@utilitieskingston.com

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Utilities Kingston ("UK") is the affiliate service provider for Kingston Hydro Corporation ("KH")

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Cost Variances for past DER projects									
DER Group	No	Project Type	Connection cost	Connection cost	Variance	Expansion required	Transfer Trip required	Build & Energization duration	General Notes
		Exporting/Non-Exporting	Estimate (\$)	Actual (\$)	%	(Y/N)	(Y/N)	No of Months	
Group 1 Micro DER ≤12kW	1	Exporting	Nil	Nil	-	N	N	2	
	2	Exporting	Nil	Nil	-	N	N	2	
Group 2 DER 12 KW and ≤ 250 KW	1	Exporting	\$20,000.00	\$13,078.58	34.61%	N	N	10	
	2	Exporting	\$20,000.00	\$11,902.03	40.49%	N	N	36	Duration: Affected by COVID-related disruptions, customer delays, and supply chain constraints.
Group 3 DER > 250 kW	1	Exporting	\$30,000.0	\$20,265.4	32.45%	N	N	10	
	2	Non-Exporting	\$173,786.27	\$173,248.33	0.31%	N	Y	72	Duration: Affected by COVID-related disruptions, customer delays, and supply chain constraints.

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