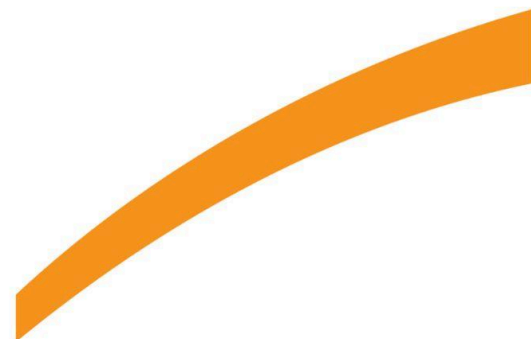


Hydro Ottawa's Distributed Energy Resource (DER) connection cost guidance

Last updated: May 1, 2026

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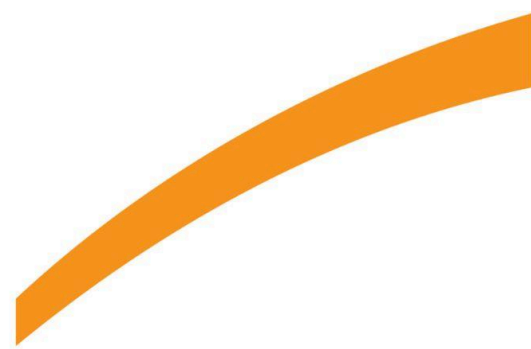


1. Purpose and cost summary

This document provides guidance on Distributed Energy Resource (DER) connection costs, based on Hydro Ottawa’s typical customer interconnection costs, including fees, materials, labour, and commissioning.

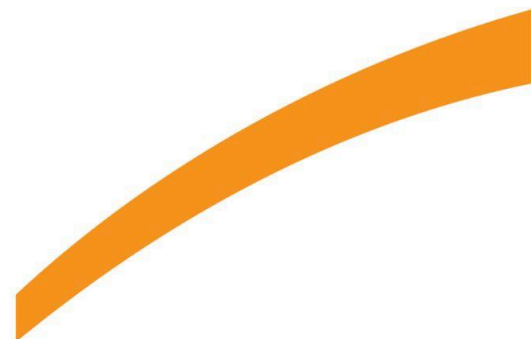
Table 1: Typical* DER connection project costs (as of May 1, 2026)

DER size	Hydro Ottawa equipment and support	Interconnection costs (not including HST)
Micro (≤12 kW)	Bi-directional meter and service layout	<\$1500
Small (12 < and ≤ 50 kW)	Bi-directional meter, engineering, and design review	<\$6,000
Small (50 < and < 200 kW)	Bi-directional meter, engineering, and design review meter-based DER monitoring**	Data not yet available** <\$10,000**
Small (200 < and < 500 kW)	Bi-directional meter, Monitoring and Control Box, engineering and design review	~\$30,000
Medium and large (500 kW +)	Commercial metering, transfer trip	Project specific



* Typical information provided in Table 1 is not intended to be an exact specification for a project, but is intended to provide customers with an order of magnitude estimate for planning purposes. If you have questions or feedback about DER project costs, please contact DER@hydroottawa.com or (613) 738-5499 ext. 7312.

**May 1, 2026, in conjunction with the OEB version 3 Distributed Energy Resource Connection Procedures (DERCP) update, Hydro Ottawa introduced a new interconnection design option for 50-200 kW DERs, utilizing revenue-grade metering instead of a Monitoring and Control Box (MCB). As of this document revision date, actual typical project cost data is not available.



2. General information on common cost items

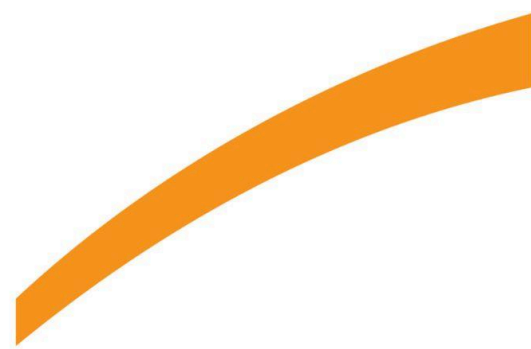
A) All micro-embedded generation facility connection cost(s) ≤ 12 kW

The estimated fees for connecting micro DERs are presented in Table 2. There is no difference between costs for net metering or for non-exporting project connections.

Table 2: Micro-embedded generation facility connection costs (As of May 1, 2026)

Category	Costs
Service layout	One assessment per property per year is provided without charge. Thereafter, approximately \$134 per layout.
Site assessment, services, bi-directional meter installation and meter costs	Approximately \$500 without upstream isolation; or approximately \$1200 if premise isolation is required

Note: Service upgrade costs, if applicable, are out of scope and in addition to the costs above. They are not considered as part of DER connection costs.

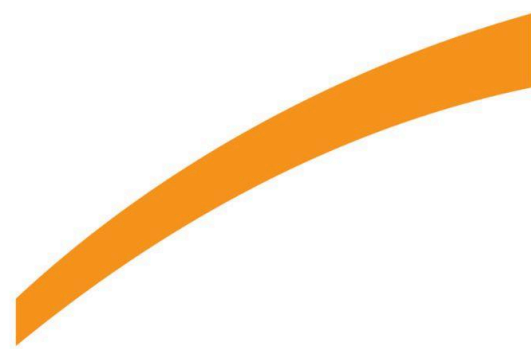


B) CIA fees

Hydro Ottawa’s estimated fees for the Connection Impact Assessment (CIA) process are provided in Table 3:

Table 3: CIA fees (as of May 1, 2026)

Category	System size (Inverter capacity)	CIA fees (not including HST)
Micro	≤12 kW	No CIA required
Small - simplified (Inverter-based)	Single phase ≤ 30 kW Three Phase ≤ 50 kW <15 kV Three phase ≤ 100 kW ≥ 15kV	\$850
Small	≤500 kW connected to < 15 kV ≤1,000 kW connected ≥ 15kV	\$1,000
Medium	≤10 MW	\$4,750
Large	> 10 MW	\$5,700



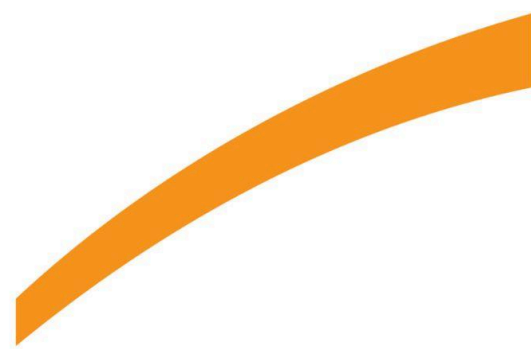
C) Other common connection costs for small DERs with a nameplate capacity of 250kW or less

Table 4: Common connection costs

No.	Cost item	Average (\$) or cost range per kW of the nameplate capacity (\$/kW to \$/kW)			Note on potentially high variability factors affecting the cost item
		DER group #1 12-50 kW	DER group #2 50-200 kW (After May 1, 2026)	DER group #3 200-250 and 250-500 kW	
	Typical equipment	Bi-di meter	Two Bi-di meters (Note 1)	Bi-di meter, MCB	Note 2, Note 3
1	CIA	Excluded from table, see above.			
2	Metering	Up to \$1,300	Up to \$1,300	Up to \$1,300	
3	Monitoring and control system	\$0	\$1,300 (Note 3)	\$20,000	Note 4
4	Commissioning, project management, and administration	\$4,000	\$6,000	\$6,000	Note 5
	Total connection cost, not including CIA	<\$6,000	<\$10,000	\$30,000	

Note 1: Meter-based monitoring of the DER is achieved with a second bi-di meter (see note 3).

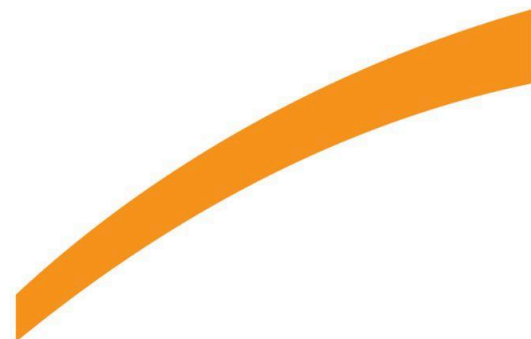
Note 2: Bi-di meter = "Bi-directional meter." MCB = Monitoring and Control Box.



Note 3: May 1, 2026, in conjunction with the OEB version 3 Distributed Energy Resource Connection Procedures (DERCP) update, Hydro Ottawa introduced a new interconnection design option for 50-200 kW DERs, utilizing conventional revenue-grade metering for monitoring purposes instead of a Monitoring and Control Box. As of May 1, 2026, actual typical project cost data is not available.

Note 4: Supply chain costs for MCBs have been highly variable and escalated in recent years, above the costs experienced in projects listed below in Section 3 - Guidance on cost variance.

Note 5: Labour costs in commissioning, project management and admin can vary significantly between projects, typically due to customer-driven factors, including design changes/iterations, installation defects and commissioning deficiencies.



3. Guidance on cost variance

Table 5: Historical information on project costs. It may not be reflective of future project costs or variability.

DER group/kW size range	No.	Project type (exporting/non-exporting)	Connection cost estimate (\$)	Actual connection cost (\$)	Variance [actual - estimate] (\$)	Variance (%)	Expansion required (Y/N)	Transfer trip required (Y/N)	Build & energization duration (months)	Notes
Group 1 (≤ 12 kW)	1	Exporting	\$1,282.68	Fixed price offer, no variance			N	N	4.2	
	2	Exporting	\$1,417.04	Fixed price offer, no variance			N	N	1	
	3	Exporting	\$1,282.68	Fixed price offer, no variance			N	N	1.5	
	4	Exporting	\$1,282.68	Fixed price offer, no variance			N	N	1.8	
Group 2 (12-50 kW)	5	Exporting	\$2,885.94	Fixed price offer, no variance			N	N	24	
	6	Exporting	\$5,309.82	Fixed price offer, no variance			N	N	5	
	7	Exporting	\$2,954.75	Fixed price offer, no variance			N	N	2	
Group 3 (50-200 kW)	8	Exporting	\$14,714.87	Fixed price offer, no variance			N	N	8	See note
	9	Exporting	\$15,082.68	Fixed price offer, no variance			N	N	13	See note
	10	Exporting	\$15,082.68	Fixed price offer, no variance			N	N	13	See note
	11	Exporting	\$15,082.68	Fixed price offer, no variance			N	N	13	See note
Group 4 (200-500 kW)	12	Exporting	\$17,929.05	Fixed price offer, no variance			N	N	10	See note
	13	Exporting	\$14,751.10	Fixed price offer, no variance			N	N	15	See note
	14	Exporting	\$15,082.68	Fixed price offer, no variance			N	N	14	See note
	15	Exporting	\$15,082.68	Fixed price offer, no variance			N	N	14	See note
	16	Non-exporting	\$23,995.21	Fixed price offer, no variance			N	N	13	See note
	17	Non-exporting	\$23,995.21	Fixed price offer, no variance			N	N	13	See note
	18	Exporting	\$23,995.21	Fixed price offer, no variance			N	N	15	See note

Note: Current costs are typically higher. Please see section 1, "Purpose and cost summary," for guidance. Historical customer costs excluded certain administration and project management costs.

4. Available incentives

There are programs available through Save on Energy to reimburse commercial and residential customers who pursue non-exporting projects. Connect with our Energy Team to learn more - cdm@hydroottawa.com.

Table 6: [Save on Energy Retrofit Program](#) (commercial customers)

Solar PV		
Type	Size	Current incentive
Non-export	0-10kW	\$1000/kW
Non-export	>10-1000kW	\$860/kW
Non-export	>1000kW	\$860,000
Export	>0kW	\$0

Table 7: [Home Renovation Savings Program](#) (residential customers)

Type	Solar PV		Battery storage (when combined with Solar PV)	
	Size	Current incentive	Size	Current incentive
Non-export	0-5kW	\$1000/kW	0 - 16.67kWh	\$300/kWh
Non-export	>5kW	\$5,000	>16.67kWh	\$5,000
Export	>0kW	\$0	>0kWh	\$0