Distributed Energy Resource (DER) Connection Cost and Variation Guidance

May 1, 2026

1. Purpose

This document provides indicative cost guidance for the connection of Distributed Energy Resources (DER) within Entegrus' service territory in accordance with the Ontario Distribution System Code (DSC) and Distributed Energy Resource Connection Procedures (DERCP).
This document has been developed in accordance with DERCP Section 4.4.3 and Appendix G – Connection Cost Guidance Template.
The values presented are intended to:

- Support early-stage project planning
- Provide high-level cost expectations by capacity range
- Improve transparency and consistency in customer communications

2. Scope

This guidance applies to:

- Inverter-based and non-inverter-based DER connections
- Projects progressing through:
    - Simplified Process (≤12 kW)
    - Expedited / Standard processes (>12 kW)

Costs are presented by installed capacity range and reflect typical connection-related activities.

3. Important Disclaimer

This document does not constitute a formal offer, quotation, or binding estimate.

All costs provided herein are:

- Indicative only
- Subject to change based on:
    - Site-specific conditions

- System capacity and constraints
- Final engineering review

Final costs will be determined through the applicable DERCP processes, including:

- Preliminary Connection Impact Review (PCIR)
- Connection Impact Assessment (CIA)
- Detailed design and construction estimates

4. Assumptions and Limitations

The cost ranges in this document are based on typical assumptions, including:

- Standard distribution system configurations
- No major system reinforcement requirements
- Reasonable proximity to existing infrastructure

Costs may vary significantly where:

- Distribution system upgrades are required
- Feeder or station capacity is constrained

Where limited recent project data is available, historical data beyond two years may be included to provide representative cost ranges.

5. DER Connection Cost Ranges by Capacity

Cost Item	0-12 kW	13kW - 30 kW	31 kW - 249 kW	250 kW - 999 kW	>1MW	Comments
Commissioning	$ -	$ -	$ -	$ 3,120	$ 3,120	Commissioning costs vary depending on number of site visits required, distance to site, and required commissioning tests with HONI
SCADA	$ -	$ -	$ -	$ 7,310	$ 7,310	
Metering	$ 370	$ 370	$ 2,690	$ 11,920	$ 11,920	For connections larger than 2MW, metering cost can vary significantly.
CIA Fees	$ -	$ 3,550	$ 6,330	$ 12,010	$ 12,010	
Transfer Trip	$ -	$ -	$ -	$ -	$ 450,000	
Total	$ 370	$ 3,920	$ 9,020	$ 34,360	$ 484,360	

Certain cost components may represent fixed service charges (eg., CIA Fees), while others (eg., Commissioning, SCADA, Metering) are variable and project-specific.

6. Guidance on Cost Variance

In accordance with DERCP Appendix G, Entegrus provides historical cost variance information based on selected DER connection projects.

The data presented reflects projects completed between 2020 and 2026.

To maintain customer confidentiality, project data is presented using grouped capacity ranges rather than specific project identifiers.

DER Group Size Range	Project Type	Connection Cost Estimate	Actual Connection Cost	Variance (Dollars)	Variance (%)	Expansion Required	Transfer Trip Required	Build & Energization Duration (Months)	Notes
0-12 kW	Exporting	$374	$481	$107	29%	No	No	3	
	Exporting	$374	$422	$48	13%	No	No	3	
	Exporting	$374	$320	$(54)	-14%	No	No	3	
	Exporting	$374	$315	$(59)	-16%	No	No	3	
	Exporting	$374	$315	$(59)	-16%	No	No	3	
13kW - 30 kW	*no applicable examples in the last 5 years*								
31 kW - 249 kW	Exporting	$9,025	$9,025	$ 0	0%	No	No	7	Connected under TA.
	Non-Exporting	$30,541	$29,843	$(698)	-2%	No	No	12	
250 kW - 999 kW	Exporting	$48,291	$46,527	$(1,765)	-4%	No	No	11	
	Non-Exporting	$58,200	$25,362	(32,838)	-56%	No	No	10	
>1MW	*no applicable examples in the last 5 years*								