

Renewable Energy Installation Submission

This form is to be completed for the connection of PV systems and any other Renewable Energy Installations on the Sydney Trains Low Voltage Distribution Network. It must be attached to an Application for Connection. An Electrical contractor and/or Designer will be required to accurately complete all sections.

The Project/Interface Manager is to submit the completed form via email to:

ElectricalInspectors@transport.nsw.gov.au for signed approval prior to proceeding with any connection.

It is expected that design drawings, specification and supporting information for the Renewable Energy Installation is attached to this submission.

Please refer to Transport Standard T HR SS 80006 ST: Renewable Energy Installations – Photovoltaic and Battery Systems for further information.

Please note all Renewable Energy Installations on the network may require the following:

- Electrical POD submission for installations on the TAHE Distribution Network
- Local DNSP connection application
- EDMI Metering for energy generation capture as specified by the Sydney Trains Electricity Business Manager
- Consultation with Sydney Trains Sustainability Manager regarding STC/LGC information

Project details	
Project Title:	
Installation Location:	

Type Of Proposed Embedded Generation	
Solar PV ☐	Battery / Energy Storage ☐

Size of proposed generation:	
Single phase? ☐ Three phase? ☐	
Make, model and number of panels:	
Make and model of inverter:	
Total number of inverters:	
Size of each inverter:	kW 1 ph? ☐ 3 ph? ☐
Are the panels on the approved CEC list? Yes ☐ No ☐	If "No", provide the test certificates and proof of approval you obtained.
Is the inverter(s) on the approved CEC list? Yes ☐ No ☐	If "No", provide the test certificates and proof of approval you obtained.
Has a structural assessment been completed? Yes ☐ No ☐	

Will the system export into the Grid?: Yes ☐ No ☐ If Yes, provide details in support.	
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Calculated Embedded Generation per Phase			
Proposed New Generation:	A...	B...	C... (kW)
If previously installed system exists, will this be ☐ replaced ☐ additional ☐ incorporated			
Existing Generation:	A...	B...	C... (kW)
Total Generation:	A...	B...	C... (kW)

Voltage Rise Calculations (as per NSW Service & Installation Rules 8.6.4.1)					
	Cable Size	Generator Current	Conductor Length	Conductor Am/%V	Voltage Rise
Service Mains					
Consumers Mains					
Submains					
Final Subcircuit					