Embedded Generator Connection Application Form for 1.5MW to < 5MW Connections

Please fill out this form in black pen and tick the boxes where appropriate. Attach all available documents where requested.

This connection application form is for a Non – Registered Embedded Generator (as described in Chapter 5A of the National Electricity Rules) with name plate rating of less than 5MW

Enquiries:

AusNet Services - Energy Connections Team

Email: energyconnectionsSG@ausnetservices.com.au

Connection Applicant's Details

Company name		ABN	
Company address			
Contact name		Contact phone	
Contact email			
Proposed connection type	□ New connection □ Upgrade to existing connection		

Connection Applicant's Engineering Consultant Details (if applicable)

Consultancy name		ABN	
Consultancy address			
Contact name		Contact phone	
Contact email			

Proposed Generating System Information

Address			
Target in Service Date			
Generation Type	□ Solar □ Wind □ Gas □ Hydro □ Battery □ Other ……		
Maximum Power Generation (MW)			
Expected energy production (MWh per month)		Connection Voltage (kV)	
Site Location Sketch (connecting into the network)	□ Attached		
Single Line Diagram of proposed installation with minimum primary plant	□ Attached		

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Please note submission of this form commences the Connection Application Stage.

To complete the Connection Application the following information is required by AusNet Services (offer stage commences when all information below has been provided).

#	Information Required	Check (☑ / ☒)
1	Site drawings reflecting the following: a. Location of point of connection to the grid b. Location of mains switch board with the central protection relay c. Site access arrangements	□
2	A detailed Single Line Diagram (SLD) of the proposed connection	□
3	Enter into the following Agreements with AusNet Services (draft templates provided upon request): a. Letter Agreement b. Confidentiality Agreement Note the Letter Agreement will require an upfront initial payment of $12,800 + GST.	□
4	Complete network studies report including: a. Load flow studies to determine thermal loading and voltage impact for system normal and N-1 contingency scenarios; b. System strength (i.e. minimum SCR) at generator connection point under system normal and N-1 contingency scenarios; c. Fault level studies with generator contribution to the grid; d. Power quality studies; e. Dynamic studies (if required); and f. Protection coordination studies Note that the scope of network and contingency scenarios to be considered in the report must be agreed with AusNet Services prior to submission. Please contact Energy Connections team with regards to access to Network Data required for the study.	□
5	PSS®E software simulation model representing the generating system in V34 with steady state and dynamic parameters (.raw, .seq, .dyr and .DLL files) including the necessary models for control systems.	□
6	Releasable User Guide (RUG) that documents the steady state and dynamic parameters of the PSS®E software simulation models with descriptions of the generating system's control schemes.	□
7	PSCAD™ software simulation model of the generating system including the control systems.	□

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#	Information Required	Check (☑ / ☒)
8	Completed Generator Performance, Protection Settings and Technical data form	□
9	Site drawings reflecting Communication facilities for remote tripping and monitoring	□
10	Information relating to land issues, cultural heritage, stakeholder engagement and status of customer's progress on these activities	□

By signing this form, you acknowledge and represent that the information provided is true and correct to your knowledge.

Print Name: …… **Title:……**

Signature: …… **Date: ……..**