Connection Application - Embedded and Standby Generation

FORM NECF-04

Who should use this form

People applying for embedded and standby generation **must** use this form in conjunction with:

- NECF-02 Connection Application - Residential and Small Commercial Connections or
- NECF-03 Connection Application - Large, Multiple or Remote Connections, **when**
  - the embedded generation is 5kW and greater, or
  - the embedded generation will require the alteration or installation of premises connection assets

This form is not to be used for embedded generaion ≥5000kW. A formal application is to be made under Chapter 5 of the Rules.

General enquiries

More information on completing this form can be found on our website:
www.ausgrid.com.au/connectingtothenetwork

Fields marked with an * are mandatory.
This form is to be completed using BLOCK LETTERS only
Any application marked TBA or TBD will be incomplete and will be returned with advice that Ausgrid will not be able to process the application until a complete application is re-submitted. If you do not have all the required information at this stage and are only interested in determining how your proposed development will be supplied, you should consider lodging a preliminary connection enquiry, using our form NECF-01.
Ausgrid may require additional information to allow us to determine the appropriate connection offer applicable to your application. If so we will contact the applicant and request such information.

1. Premise Details *(Same details as on Connection Application NECF-02 or NECF-03)*

Premises Address*

Post Code* 3149

2. Type of Proposed Embedded or Standby Generation

i) Type of Proposed Embedded or Standby Generation*

Solar PV ☐ Standby (e.g. Diesel) ☐ Other (e.g. gas, hydro, wind, blue gen) ☐

Specify Standby and Other:

Size of Proposed Generation (kW) *This is not the inverter size*

No. of Generating Units *(e.g. Panels, turbines, units)*

Make of Device *(e.g. inverter or motor)*

Model No. of Device *(e.g. inverter or motor)*

Total number of Devices

Size of each Device *(kW)*

Is the Inverter or generator single or three phase? *(1 or 3)*

ii) Calculated Embedded or Standby Generation per Phase*

Existing Generation (kW) ◄ If none write "NIL"

A B C

Proposed New Generation to be Connected (kW)*

A B C

▲ This is only new generation

Total Generation to be Connected (kW)*

A B C

▲ This is the addition of proposed and existing generation

iii) Are you increasing the capacity of an existing generation connection?* Y ☐ N ☐ ◄ If no, go to (iv) below

iv) Is the proposed generation separately metered? Y ☐ N ☐ ◄ If yes, ensure details are completed on NECF-02 or NECF-03

3. Details Required for Proposed Embedded and Standby Generation

i) Is the Inverter on the approved CEC list?* Y ☐ N ☐ n/a ☐ ◄ If No, provide the test certificates and proof of approval you obtained.

☐☐ No. of additional pages

ii) For all rotating and > 200kW generation applications, the requirements NS194 and ES11 have been met and submitted* Y ☐ N ☐

☐☐ No. of additional pages

4. Single Line Diagram

5. Voltage Rise Calculation and Assessment

i) Voltage Rise Calculations

Details	Cable Size of circuit	Current (I) of Generator	Length of conductor	Am/%V rating of conductor	Voltage Rise (Vr)
Service Main					
Consumer Main					
Submain					
Final Sub Circuit					

ii) Assessment

In preparing this Connection Application I have considered the requirements of following documents. (Tick all that apply):

- ☐ NS194 Connection of Embedded Generators
- ☐ Service and Installation Rules of NSW
- ☐ ES11 Requirements for Connection of Embedded Generators
- ☐ AS/NZS3000:2000 The Wiring Rules
- ☐ Other