

Major Customer Connections: Application to Connect Form: Embedded Generation > 5 MW



For the connection of embedded generating units having an aggregate nameplate capacity > 5 MW

JULY 2018

Privacy Notice

We collect information on this form in order to assess your Application to Connect. This information may include your personal information. We will not disclose any personal information to external third parties without your consent, unless this disclosure is authorised or required by law.

If you wish to apply for access to this information, or make a privacy complaint, you may contact our Privacy Officer on 13 10 46 or privacy@ergon.com.au. Our privacy policy is available on our website (www.ergon.com.au). If you have provided any personal information of another individual, please ensure that you advise that person about this privacy statement.

GENERAL INFORMATION

This Application to Connect Form is for embedded generation where:

- the aggregate nameplate capacity at the connection point will exceed 5 MW in aggregate; **or**
- the aggregate nameplate capacity exceeds 30 kW but does not exceed 5 MW and you have chosen to use the rule 5.3A process under the National Electricity Rules (NER).

For applications where the aggregate nameplate capacity does not exceed 30 kVA, please refer to the New Connections & Alterations page on our website (www.ergon.com.au) or contact our Solar Support Team on 1300 553 924 or solarteam@ergon.com.au.

Please complete as much of this Application to Connect Form as you are able to. Relevant sections will depend upon the specific nature of your particular project. When completed, please email this Application to Connect Form to majorconnections@ergon.com.au.

For information about the embedded generation connection process, please see our Embedded Generation Information Pack, which is available on our website (www.ergon.com.au).

SECTION 1: Details of Connection Applicant

(this will be the entity that will enter into the contracts to establish and maintain the connection to our distribution system)

Name (as per registration with ASIC)

ABN

ACN

Email (we will use email as our preferred method of contact unless otherwise advised)

Website

Postal Address

Phone #1

Phone #2

Other information about Applicant (e.g. joint venture arrangements, manager/agent arrangements/authority)

The Applicant acknowledges and agrees that we may concurrently process competing Enquiries and Applications to Connect, as described on page 6 of this Application to Connect Form, which may impact on the arrangements for connection of the Applicant's project to our distribution system.

The Applicant acknowledges and agrees that information submitted as part of this Application to Connect Form may be released to our contractors, sub-contractors or consultants (subject to confidentiality requirements) for the purposes of managing the Application to Connect on our behalf, and submission of this Application to Connect Form is deemed to be consent to such release.

To facilitate transparency and assist applicants, the Applicant agrees that we may disclose to third parties the applicant's capacity requirements, general project location, and relevant submission dates in the connection process. If the Applicant does not so consent, please tick this box:

The Applicant acknowledges that we must provide an Offer to Connect following receipt of a complete Application to Connect, where that Offer to Connect comprises relevant connection agreements that contain relevant performance standards and system strength remediation provisions. The Applicant agrees that we will provide an Offer to Connect by the later of the following:

- four months from the date on which it received a complete Application to Connect;
- where the project will not meet the automatic access standards, 10 business days from the date on which all relevant negotiated access standards have been agreed under rule 5.3.4A for inclusion in the connection agreement; and
- where a system strength remediation scheme has been proposed, 10 business days from the date on which that system strength remediation scheme has been agreed under rule 5.3.4B for inclusion in the connection agreement.

This Application to Connect Form is hereby submitted to Ergon Energy by an authorised representative of the Applicant listed above.

Signed

Position

Date

**SECTION 2: Details of Applicant's Representative
(note that the Applicant can appoint an authorised agent on page 3)**

Name	Role/Title
Email (we will use email as our preferred method of contact unless otherwise advised)	
Postal Address	
Phone #1	Phone #2

SECTION 3: Details of Applicant's Consultant

Company or business (trading) name (as per registration with ASIC or on the Australian Business Register)	
ACN	ABN
Consultant's name	Consultant's title
Website	
Email (we will use email as our preferred method of contact unless otherwise advised)	
Postal address	
Phone #1	Phone #2

SECTION 4: Details of Applicant's Authorised Agent

(where this section is completed, we will transact with the authorised agent rather than with any representative of the Applicant listed on page 2)

I/we _____ authorise
_____ to act on our behalf in relation
to the project the subject of this Application to Connect Form. Any information or advice provided by this authorised
agent may be relied upon by Ergon Energy as if it were information or advice provided by the Applicant.

Signed Position Date

SECTION 5: Details for Invoices

<input type="checkbox"/> Customer (as above)	<input type="checkbox"/> Consultant (as above)	<input type="checkbox"/> Other (enter details below)
Company Name	ACN/ABN	
Postal address		
Phone #1	Phone #2	

SECTION 6: Details of Proposed Generators

<input type="checkbox"/>	> 30 kW to 5,000 kW Embedded Generators (Export) – new connection or alteration to an existing connection. This applies to embedded generator connections that would typically follow the connection process under Chapter 5A of the NER, but where the Applicant has chosen to follow the connection process in rule 5.3A of the NER.
<input type="checkbox"/>	> 5,000 kW Embedded Generators (Export) – new connection or alteration to an existing connection. This applies to embedded generator connections that will follow the connection process under rule 5.3A of the NER, who either intend to register with AEMO as a Generator, or who are required to apply for an exemption from the requirement to register.
<p>Status of registration with AEMO (for information on registration requirements, please refer to www.aemo.com.au)</p> <p><input type="checkbox"/> Exempt</p> <p><input type="checkbox"/> Intending to apply for exemption</p> <p><input type="checkbox"/> Registered</p> <p><input type="checkbox"/> Intending to apply for registration</p>	<p>Relevant category of registration (please tick all that will apply. For information on registration categories, please refer to www.aemo.com.au)</p> <p><input type="checkbox"/> Scheduled <input type="checkbox"/> Market</p> <p><input type="checkbox"/> Semi-scheduled <input type="checkbox"/> Non-market</p> <p><input type="checkbox"/> Non-scheduled</p>

SECTION 7: Details of Existing Site

Project/Site name	
Site address	Site location (GPS coordinates) (Google Earth pin attachments, files or spatial data may also be sufficient) Latitude: Longitude:
Lot and plan details of site (including any lease number):	
National Metering Identifier (NMI)	
Is there existing generation on site? (i.e. existing PV/solar installation, diesel generator, regardless of whether this exports into the distribution system or not)	
<input type="checkbox"/> Yes, exporting <input type="checkbox"/> Yes, no export (but synchronised with distribution system) <input type="checkbox"/> Yes, no export (operates in isolation from distribution system) <input type="checkbox"/> No	
If YES, please provide details below:	
Type of generating unit(s) (e.g. inverter-based or rotating machine):	
Number and size of generating unit(s):	kW
Aggregate inverter capacity:	kW
Aggregate contracted export limit:	kW
Is the Applicant the registered owner of the site?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
If not, details of registered owner:	
Additional information about the site (e.g. restrictions, cultural heritage etc.)	

SECTION 8: Project Timing

Requested date for energisation of connection:

If capacity requirements will change over time, please provide indicative timeframes below:
(e.g. 5 MW in YYYY, 10 MW in YYYY etc.)

SECTION 9: Details of Generating System(s) to be Installed

Qualitative description of the objectives/purpose of the proposed Project

Description of generating units
(number, capacity, manufacturer, model) (Please attach relevant product data sheets)

Generating unit technology
(e.g. synchronous/asynchronous, induction, PV)

Estimated energy production (delete units not required)
kWh/MWh per annum

Maximum power generation/output (delete units not required)
kW/MW

Operating hours (e.g. 24 hours/7 days a week)

Details of protection system
(i.e. model, compliance details of components of protection system – to complement the single line diagram provided)

SECTION 10: Details of Disturbing Loads

(Please specify kW or kVA. Please provide relevant information including nature of power electronic plant which may produce harmonic distortion
e.g. harmonics, large motors, welders, thyristor drives, draglines)

Load type:
Component size:
Duty cycle:

Load type:
Component size:
Duty cycle:

Load type:
Component size:
Duty cycle:

Load type:
Component size:
Duty cycle:

Additional Information
(including nature of power electronic plant which may produce harmonic distortion)

SECTION 11: Other Connection Information

Metering mode <input type="checkbox"/> Peak loading <input type="checkbox"/> Continual operation <input type="checkbox"/> Seasonal	Type of metering required <input type="checkbox"/> High voltage <input type="checkbox"/> Low voltage
Anticipated power factor:	Power factor correction to be installed? <input type="checkbox"/> Yes <input type="checkbox"/> No
If relevant, generator control mode: <input type="checkbox"/> Voltage control <input type="checkbox"/> Power factor control mode <input type="checkbox"/> Other	
Other relevant information:	

SECTION 12: Required Attachments

The following information is to be submitted with this Application to Connection Form. Please note that your Application to Connect may not be complete if the information is not current (for example, where it is more than 3 months old or outside the relevant validity period).

<p>Detailed Response to Enquiry</p> <p>This must be valid and contain the information referred to in Schedule 5.4B of the NER. It should also include any relevant information pertaining to any network assets that we will own, that is:</p> <ul style="list-style-type: none"> network assets that we are to design, construct and own; and network assets that the Applicant proposes to design and construct and then gift to us. 	<input type="checkbox"/>
<p>Modelling Requirements</p> <p>For generation > 5 MW, certain modelling information is required in order to carry out load flow and dynamic assessment of the impact that the generating system(s) will have on the broader power system. This information must accompany this Application to Connect Form.</p> <p>Details of the specific modelling requirements are included in the Detailed Response to Enquiry. Briefly, this must comprise models that are specific to the particular generating system(s), including for the physical arrangement of the generating system, its control systems and the connection to the distribution system. The models must be sufficiently accurate to reflect the actual performance of the generating system(s) under all expected operating conditions.</p>	<input type="checkbox"/>
<p>Negotiated Access Standards</p> <p>If the generating system(s) to be connected are unable to meet the relevant automatic access standard for a specific technical requirement, then a proposed negotiated access standard for that technical requirement must be submitted with this Application to Connect Form.</p>	<input type="checkbox"/>
<p>System strength remediation scheme</p> <p>If the Detailed Response to Enquiry indicates that the connection may result in system strength impacts, the Applicant may prepare a system strength remediation scheme. This scheme must be submitted with this Application to Connect.</p>	<input type="checkbox"/>
<p>Additional information</p> <p>Where the Detailed Response to Enquiry sets out additional information that we require to be submitted with the Application to Connect, this additional information must be so submitted. This information may include, for example, preliminary system planning data and other technical data.</p> <p>Note that we may advise the Applicant if any further information is required to assess the Application to Connect and prepare an Offer to Connect.</p>	<input type="checkbox"/>
<p>System Information</p> <p>Relevant single line diagrams (including for protection systems), details of site location and layout and generator data sheets must be attached to this Application to Connect.</p>	<input type="checkbox"/>

SECTION 13: Other information you may require from Ergon Energy

You will need certain information from us in order to submit your complete Application to Connect. We expect that this information will be included in our response(s) to the connection Enquiry (refer rule 5.3.3 and Schedules 5.4A and 5.4B of the NER).

If you are aware of any further information that you will need from us to finalise your Application to Connect, please list this information here, together with supporting reasons for your requests. Such information may include, for example:

- Technical information including schematics, fault ratings and configuration of Ergon Energy assets pertinent to your prospective project
- Network primary plant and access specifications, protection and control requirements and power transfer capabilities
- Network electrical characteristics
- Information about network operational performance
- Information on Ergon Energy's future planned capital works where these may be relevant to your prospective project

SECTION 14: Further information

Within 10 business days of receiving your Application to Connect Form, we will send you a written response:

- confirming receipt of this Application to Connect Form; and
- advising you whether any further information is required to finalise the Application to Connect.

Note that if, after submitting this Application to Connect Form, you become aware of any material change to any information contained in or relevant to this Application to Connect, you must promptly notify us in writing of the change.

An Application Fee will be payable. We will advise you of the amount of, and terms and conditions associated with, that Fee.

Consistent with the national electricity objective, we have a network management policy in place to manage the connection of generating systems to our distribution system. This policy aims, in general, to maximise the network capacity available to proponents, and minimise the costs to proponents associated with augmentation of the distribution network.

We process Enquiries and Applications to Connect in accordance with the negotiated connection process prescribed in the NER. Each Enquiry and Application to Connect is assessed as a standalone project, having regard to the circumstances existing at the relevant date (including committed projects but not any Enquiries or Applications to Connect).

However, you should note that where we are concurrently processing two or more Enquiries or Applications to Connect for connection in the same area of our distribution system, the commitment by one proponent to proceed with its project (typically demonstrated through execution of the relevant connection contracts and consistent progress with the connection establishment works under those contracts) may result in material physical, technical or financial impacts on the works required for subsequent proponents to proceed with their projects. Such impacts could include, for example:

- impacts on the relevant performance standards or other technical requirements with which a subsequent project may have to comply; and
- in certain circumstances, imposing a requirement for the subsequent proponent to fund an augmentation of the distribution network, which would be likely to involve increased costs and also delay the expected timeframe for the works.