Major Customer Connections

>30 kW to 5 MW Export Embedded Generation Application Form

(For the connection of non-registered embedded generating system exporting > 30 kW to 5 MW)

Privacy Notice

Ergon Energy is collecting information on this form for the purpose of assessing the Connection Enquiry. This may include the collection of your personal information. Your personal information will not be disclosed to any external third parties without your consent, unless authorised or required by law. If you wish to apply for access to this information, or make a privacy complaint, you may contact the Privacy Officer on 13 10 46 or privacy@ergon.com.au. Ergon Energy's privacy policy may be viewed at ergon.com.au. If you have provided personal information of another individual, please ensure that you advise the person about this privacy statement.

When completed, please email this Application Form to majorconnections@ergon.com.au

For information about the connection process, please see the Major Customer Embedded Generation Information Pack, which can be found at https://www.ergon.com.au/network/connections/major-business-connections

SECTION A

Customer Business Details
(this will be the entity that enters into relevant contracts to establish and maintain a connection to Ergon Energy's distribution network)

Company Name (as per ASIC registration)		
ACN	ABN	
Email Address (we will use email as the preferred method of contact unless otherwise advised)		
Website Address		
Postal Address		
Phone Number 1	Phone Number 2	Fax Number
Other information about company (e.g. joint venture, manager/agent arrangements/authority)		

The applicant listed above acknowledges and agrees that Ergon Energy may concurrently process competing enquiries, as described on page 7 of this Major Customer Connection Application Form, which may impact on the physical, technical or financial arrangements required to connect the applicant's project to the Ergon Energy network.

To facilitate transparency and assist applicants, the applicant listed above agrees that Ergon Energy 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 consent to this disclosure, please tick this box: ☐

The applicant listed above also acknowledges and agrees that information submitted as part of this Major Customer Connection Application Form may be released to contractors, sub-contractors or consultants of Ergon Energy (subject to confidentiality requirements) for the purposes of managing the connection application on Ergon Energy's behalf, and submission of this Application Form is deemed to be consent to such release.

This Major Customer Connection Application Form is hereby submitted to Ergon Energy by an authorised representative of the applicant listed above.

Signed	Position	Date

SECTION B

Business Representative Details **(Note that you can also nominate an authorised agent on page 3)**

Name	
Email Address (we will use email as the preferred method of contact unless otherwise advised)	
Postal Address	
Phone Number 1	Phone Number 2

SECTION C

Consultant Details

Company or Business (Trading) name (as per ASIC or ABN registration, as relevant)

Website

Consultant's Name

Email Address (we will use email as the preferred method of contact unless otherwise advised)		ABN
Postal Address		Role Title
Phone Number 1	Phone Number 2	Fax Number

Authorised Agent (if you complete this section and nominate an authorised agent, we will only transact with this agent and not any business representative listed on page 2)

As Ergon Energy will only transact with an authorised agent, please arrange for the applicant to sign section A **and** this section to grant authority for the consultant to act on their behalf.

I/we _____ authorise

_____ to act on

our behalf in relation to this project. Any information or advice provided by my/our authorised agent may be relied upon by Ergon Energy as if it were information or advice provided by the entity listed in section A.

_____	_____	_____
Signed	Position	Date

SECTION D

Invoicing Details

☐ Business Address (as above) ☐ Business Representative Address (as above) ☐ Other (enter details below)

Company Name	ABN / ACN
Postal Address	

Phone Number 1	Phone Number 2	Fax Number

Your embedded generation *Connection Application*

Section E (below) assists us to process your application efficiently and ensure compliance with the relevant National Electricity Rules (NER), applicable to the size and type of the connection.

For embedded generation applications ***less than*** 30 kVA, please refer to the New Connections & Alterations page on our website, or contact the Solar Support Team, who are available to answer questions on connecting a micro embedded generating unit, on 1300 553 924 or email: solarteam@ergon.com.au

SECTION E

Proposed Generation Connection

Exporting Embedded Generation

☐ **> 30 kW to 5,000 kW Embedded Generators (Export) via IES - New or Alteration to an existing Generator Connection**
This applies to embedded generator connections via an Inverter Energy System that is eligible to follow the connection process regulated by Chapter 5A of the National Electricity Rules (NER), where the proponent is entitled to a standing exemption from the requirement to register as a Generator with AEMO.

☐ **> 30 kW to 5,000 kW Embedded Generators (Export) via rotating machine - New or Alteration to an existing Generator Connection**
This applies to embedded generator connections via a rotating machine that are eligible to follow the connection process regulated by Chapter 5A of the National Electricity Rules (NER), where the proponent is entitled to a standing exemption from the requirement to register as a Generator with AEMO.

PROJECT DETAILS

SECTION F

Project/Site Details

Project/Site Name	Exempt from registering as a Generator with Australian Energy Market Operator (AEMO) ☐ Yes *For information on registration requirements refer to www.aemo.com.au*
Site Address	Site Location (GPS) Latitude:
National Metering Identifier (NMI)	Longitude: Google Earth Pin Attachment, files or spatial data may also be sufficient.

Is there existing generation on site?
(i.e. existing PV / Solar installation, diesel generator (export or non-export). ☐ Yes ☐ No ☐ No Export ☐ Export

If YES, please provide detailed below:

Size of Existing Unit _____ kW Total Authorised Size of Existing Unit _____ kW

Type of Generation Unit(s) (i.e. IES, Rotating Machine)

Total Site Capacity (inc all Embedded Generation) _____ kW

Is the Applicant the Registered Owner of the property? ☐ Yes ☐ No	Registered Owner
Additional Details on Location (i.e. restrictions, cultural heritage etc)	Registered Plan Number and/or Lease No.

EMBEDDED GENERATION VIA IES

A wide range of inverter based technologies is available. Energy sources supplying inverter based generating units include, direct current generation such as battery and solar photo-voltaic and synchronous generating units with a different frequency to that of the power system such as permanent magnet generating units associated with wind turbines

Ergon Energy has a dedicated Embedded Generation via IES process for the connection of generating units who are > 30 kVA and who intend to export onto the Ergon Energy distribution network. More information can be found in the Ergon Energy Embedded Generation Information Pack.

If you are connecting an exporting embedded generation unit via Rotating Machine, please disregard this section.

Generator Plant Details	
Qualitative description of the objectives / purpose of the Project proposed:	
Combined Output Capacity of Inverters	Please note: The IES system shall meet or exceed all requirements specified in AS4777. The PV is to be balanced across all phases.
Details of Protection System (i.e. model, compliance details of components of protection system - to compliment the SLD provided)	
Energy Production (estimated energy production kW per annum) _____kWh per annum	Maximum Power Generation / Output: _____kW
Operating Hours (i.e. 24hrs/7 days per week operation)	
Inverter Brand and Model	Inverter Compliant to IEC62116:2014 ☐ Yes ☐ No

EMBEDDED GENERATION VIA ROTATING MACHINE

Ergon Energy has a dedicated Embedded Generation via rotating machine process for the connection of generating units who are > 30 kVA and intend to export onto the Ergon Energy distribution network. More information can be found in the Ergon Energy Embedded Generation Information Pack.

If you are connecting an exporting embedded generation unit via IES, please disregard this section.

Generating Unit Description (i.e. type, make, model): Please attach relevant product data sheets	Energy Production (estimated energy production kW per annum) _____kWh per annum Maximum Power Generation / Output: _____kW
Details of Protection System (i.e. model, compliance details of components of protection system - to compliment the SLD provided)	
Metering Mode: ☐ Peak Loading ☐ Continual Operation ☐ Seasonal	Type of Metering Required ☐ High Voltage Metering ☐ Low Voltage Metering
Operating Hours (i.e. 24hrs/7 days per week operation)	
Details of Disturbing Loads applicable to Rotating Machines—please specify kW or kVA (Additional 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)	
Project Timing	
Requested Connection Date:	
If capacity requirements are to change over time, please provide indicative timeframes below: (e.g. 5 MW in YYYY, 10 MVA in YYYY etc.)	

SECTION G

Other Connection Information		
Type of Metering Required	☐ High Voltage Metering	☐ Low Voltage Metering
Anticipated Power Factor	Power Factor Correction to be installed? ☐ Yes	☐ No
Other		

SECTION M

The following information may be required to submitted with this Application Form where the relevant connection involves the connection of a generating system exporting greater than 30 kVA but less than 5,000 kW to the Ergon Energy distribution network dependant on your systems requirements*. **Your project sponsor will advise of requirements* *For additional information on the detail to be provided please see the appendix.* *NOTE: Your application may not be accepted if the information below is more than 3 months old.*	**Attached**
1) Major Customer Connection Planning Report or Technical Assessment (MANDATORY) You must provide valid technical planning studies via a Planning Report or Technical Assessment, dependent on your proposed generating systems requirements. If you have sourced a Planning Report from any entity other than Ergon Energy, it must confirm that this Planning Report includes: ⇒ Information pertaining to the Network Assets of which Ergon Energy will have final ownership i.e. : • Network Assets which Ergon Energy is to Design, Build and Own; or • Network Assets which the Connection Applicant will Design, Build and Transfer (Gift Ownership to Ergon Energy). ⇒ Additional information relating the Technical, Performance and Operational standards of the Network Assets of which the Connection Applicant will retain ownership.	☐
2) Major Customer Connection Project Scope (May be required) If you have sourced a Project Scope from any entity other than Ergon Energy, please confirm that the Project Scope includes information pertaining to Assets of which Ergon Energy will have final ownership, i.e. • Network Assets which Ergon Energy is to Design, Build and Own; or • Network Assets which the Customer will Design, Build and Transfer (Gift Ownership to Ergon Energy.	☐
3) Major Customer Connection Concept Estimates (May be required) You must provide a valid Concept Estimate aligned to the valid Project Scope noted in (2) above where required. • Concept Estimates SHOULD ONLY include estimated costs associated with Network Assets where the Connection Applicant has requested Ergon Energy Design and Build the Network Asset and Ergon Energy will retain ownership of the Network Asset. • Concept Estimates SHOULD NOT include estimated costs associated with Network Assets which the Connection Applicant will Design, Build and Own; or Network Asset that the Connection Applicant will Design and Build and Transfer Ownership (Gift) to Ergon Energy. Note: Where the Customer has provided estimated costs of the Standard Control Services (SCS) component of the Network Assets, Ergon Energy will negotiate the costs of the SCS estimates with the Customer and reimburse the Customer the negotiated amount.	☐
4) Negotiated Access Standards For each such technical requirement where the proposed arrangement will not meet the automatic access standards previously nominated by Ergon Energy, you must submit a proposal for a negotiated access standard for such a requirement to be determined in accordance with clause 5.3.4A of the NER.	☐