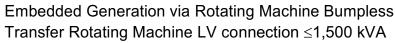




Certification	
Ergon Energy WR#:	
Date: / /	
Embedded Generation via Bumpless Transfer RM > 30 kVA and ≤ 1,500 k Project Name: Location: NMI:	kVA –
I certify that as a Registered Professional Engineer of Queensland and by virtue that the submission documentation complies with the requirements of the late	
 Ergon Energy's Technical Study Report provided for the above state STNW1174 - Standard for LV Embedded Generating Connections [* AS/NZS 3000 - Electrical Installations AS 60034.1 Rotating electrical machines, Part 1: Rating and perform Queensland Electricity Connection Manual [version] 	version]
In addition to the above, the following attachments have been submitted as pa	art of the application:
 Attachment 1 – Engine/Turbine/Alternator Specifications & Checklist Attachment 2 – Compliance Checklist Attachment 3 – Commissioning Test Results Attachment 4 – As Commissioned Drawings 	t
Signature:	
	RPEQ Engineer Name
	Registration Number
	Professional Title
	Company Name

Company Address

Contact Details





All questions in each applicable section must be answered.

Attachment 1 – Rotating Machine Specifications & Checklist

Installation details	Data
Customer Name	
Customer contact details	
Ergon Energy contact	
Installation approved capacity (kVA)	
Installation approved export (kW)	0 kW
Installed capacity (kVA) (Must not exceed approved limit)	
Installed export power limit (kW) (Must not exceed approved export)	

As installed - Engine/Turbine Technical Data

Parameters	Data
Engine/Turbine type	
Make	
Model	
Rated Power (kWe/kWm)	
Rated Voltage (V)	
Rated Current (A)	

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Embedded Generation via Rotating Machine Bumpless Transfer Rotating Machine LV connection ≤1,500 kVA



All questions in each applicable section must be answered.

Δς	Installed	- Alteri	nator Te	chnica	I Data
—	msiancu	– Augu	IALUI IE	-6.111116.0	ı vala

Parameters	Data
Make	
Model	
Rated Power (kVA)	
Rated Current (A)	
Rated Voltage (V)	
Peak Short Circuit Current (kA)	
Manufacturer's specification data sheet/user manual attached	Yes No
As Installed – Generating System	
Parameters	Data
Complies with AS 60034.1	
Comments (please supply additional information for any non-compliances)	
Single Line Diagram (SLD) attached	Yes No 🗌
Existing Onsite Embedded Generating Systems	
Existing Installation details*	Data
Types	
Capacity	
*Prior to this application	

Embedded Generation via Rotating Machine Bumpless Transfer Rotating Machine LV connection ≤1,500 kVA



All questions in each applicable section must be answered.

Attachment 2 Compliance Checklist

Compliance with Standard for LV EG Connections

Clause	Description	Complies		
4.5.1	Changeover switch standards compliance (AS/NZS IEC60947.6.1)	Yes 🗌	No 🗌	
4.7.3	Interlocking	Yes 🗌	No 🗌	N/A 🗌
4.7.5	Re-energisation and synchronisation	Yes 🗌	No 🗌	N/A 🗌
4.7.6.1	Standards compliance (AS60034.1)	Yes 🗌	No 🗌	N/A 🗌
6	Commissioning	Yes 🗌	No 🗌	N/A 🗌
7	Operation and maintenance	Yes 🗌	No 🗌	
	Any exemptions required (If YES add details in the comments section below)	Yes 🗌	No 🗌	
Comments (please supply a	additional information for any non-compliances and settings as required)			

Attachment 3 – Compliance Report – Commissioning

Commissioning shall include the following information and test certificates are recommended for further evidence:

Compliance with Standard for LV EG Connections

System Details	Complies	Data, provide details (attach docs if required)
Installed system meets all criteria outlined in the Ergon Energy's Technical Study Report issued for project	Yes No	

Embedded Generation via Rotating Machine Bumpless Transfer Rotating Machine LV connection ≤1,500 kVA



All questions in each applicable section must be answered.

Rotating Machine

System Details	Complies	Data, provide details (attach docs if required)		
AC Output Voltage from generator on commissioning	Yes No No			
Input and Output power from rotating machine on commissioning	Yes No No			
Re-energisation and synchronisation as per standard	Yes No No			
Rotating machine performed as per approved Operating type (Clause 4.3)	Yes No No	Operating Type: Bumpless Transfer		
Protection				
System Details	Complies	Data, provide details (attach docs if required)		
Tripping and control scheme logic	Yes No No			
Instrument transformer ratios	Yes No No			
Comments (please supply additional information for any non-compliances and settings as required)				
Commissioning results attached Interlocking N/A	Yes No			
System Details	Complies	If Yes, provide details (attach docs if required)		
Manual (Key based) or	Yes No No			
Automated	Yes No No			
If Automated, prior approved automated design attached	Yes No No			

Embedded Generation via Rotating Machine Bumpless Transfer Rotating Machine LV connection ≤1,500 kVA



All questions in each applicable section must be answered.

Attachment 4 – As Commissioned Drawings

Single Line Diagram and AC Schematics should include

RPEQ Signature		
2. NMI, Site name and address		
Transfer switch and/or manual interlocking arrangements		
Single Line Diagram (SLD) attached	Yes 🗌	No 🗌
AC schematics attached	Yes 🗌	No 🗌

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