

Name	Location	Technology of generating unit including make and model	Maximum power generation capacity of all embedded generating units comprised in the relevant generating system	Contribution to fault levels	Size and rating of the relevant transformer	A single line diagram of the connection arrangement	Protection systems and Communications Systems	Voltage control and reactive power capability
Project # 1	Thomson Dam, Victoria (No street address available)	Type: Induction Generator (Hydro) Make: NEBB Model: QG 900 Za 8 L	7.45MW	0.68(3ph-g) kA	7.8MVA	This can not be published due to confidentiality reasons.	Live line blocking and communication systems: None (Closest remote controlled switch - MO104)	Voltage control: No Reactive power capability: 1.1 MVAR
Project # 2	Hampton Park, Victoria	Synchronous (bioenergy) Make: Caterpillar Model: 3516LE	8.9MW	1.45 kA (3ph, @ 22kV sub-transient)	8x 1.25 MVA	Refer to the connection diagram within this document	Remote Trip and SCADA	Yes (22kV Voltage Set Point) and reactive power capability per engine: 1.1 MVAR absolute maximum export capability. However, the connection agreement regulates power factor to range: 0.95 lag (supplying 0.37MVAR) to 0.95 lead (absorbing 0.37MVAR).
Project # 3	Wollert, Victoria	Synchronous (bioenergy) Make: Caterpillar Model: 3516LE	8.9MW	1.14 kA (3ph, @ 22kV sub-transient)	7x 1.25MVA + 1x 2.50MVA	Refer to the connection diagram within this document	Remote Trip and SCADA	Yes (22.66kV Voltage Set Point) and reactive power capability per engine: 1.1 MVAR absolute maximum export capability. However, the connection agreement regulates power factor to range: 0.95 lag (supplying 0.37MVAR) to 0.95 lead (absorbing 0.37MVAR).
Project # 4	Traralgon, Victoria	Synchronous (gas engine) Make: Caterpillar	10MW	1.37(3ph-g) kA	12.5MVA	Refer to the connection diagram within this document	Remote controlled switch - TN198 & SCADA to incomer CB	Voltage control: No and reactive power capability: 0 MVAR
Project # 5	South Gippsland, Victoria	Asynchronous Generator Make: Servion SE Model: Servion SE MM92	106.6MW	At 66kV Connection Point LSSS1: 3 phase = 1.32 kA, 1 phase = 0.32kA At 66kV Connection Point LSSS2: 3 phase = 1.43 kA, 1 phase = 0.29kA	2 x 33/66kV 70MVA Dyn 11 ONAF Transformers	Refer to the connection diagram within this document	Protection: Current differential protection with Distance backup (line), CB Fail, Auto reclose (at LGA and WGI only, no reclose at wind farm), Anti-Islanding Scheme, Runback Scheme Communication Systems: Current differential protection, Remote Trip, SCADA, Anti-Islanding Scheme, Runback Scheme	Voltage control: 0.99 lagging Power Factor (absorbing reactive power). Seek to maintain voltage between 0.95 and 1.05p.u at the connection point. Reactive power capability: Wind Farm can operate to a power factor of 0.93 both leading and lagging.