

Project Profile

Mandurah Biogas CHP Plant



Client	Capacity	Location	Operational
Mount Herron Engineering	1.4 MWe	Mandurah, Western Australia	2006
Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy (Aust) Pty Ltd	1 x 1.4MWe JMS 420 GS-B.L	Bio-Gas

Scope Of Work

Clarke Energy will supply the co-generation gas engine to Mount Herron Engineering and provide service support after commissioning.

Generation Capacity

1.4 MWe and 810kWt (without exhaust gas heat recovery) provided by the GE Jenbacher gas engines, supported by Clarke Energy's superb Service Department

Principal Equipment

GE Jenbacher JMS 420 GS-B.L combined, heat and power generating sets rated at 1,416 kWe, 50Hz

General Description

The heat reclaimed from the engine will be fed back into the digester ponds to provide the energy necessary for the digester process. The site will use industrial organic waste material from the surrounding areas to generate gas, which in turn is used as the fuel source for the GE Jenbacher gas engine. The engine then generates electricity at 415V back into the local grid.



Authorised Distributor
GE Energy