

Project Profile

Rockingham Landfill Gas Plant



Client	Capacity	Location	Operational
AGL	2.1 MWe	Rockingham, Western Australia	October 2003
Manufacturer	Packager	Type	Primary fuel
GE Jenbacher		2 x 1MWe JGS 320 GS-L.L	Landfill gas

Scope Of Work

Clarke Energy currently provides operation and maintenance for the installation under a comprehensive Operation and Maintenance Contract with AGL.

Principal Equipment

2 x GE Jenbacher JGS 320 GS-L.L rated at 1048kWe, 50Hz
Engines are coupled to Stamford brushless rotating field alternators.

General Description

The two GE Jenbacher generators run on landfill gas with each generator connected, via an integrated 415V circuit panel to a 22kV step-up transformer. High voltage electricity is exported to the grid from the transformers. The shunt reactor is fitted to the plant to limit voltage rise on the grid thus maximising export ability. The generators are located in an acoustically lined building that also houses the control room and workshop/store in separate rooms. The building and remaining plant is enclosed within a fenced compound.

The Station can be remotely monitored and controlled utilizing the SCADA system.



Authorised Distributor
GE Energy