

# Project Profile

## Teralba Colliery



Clarke Energy turnkey supply of 8 x 1MWe GE Jenbacher JGS 320 GS-S.L

Client	Capacity	Location	Operational
Envirogen	8 MWe	Teralba, NSW	June 2004

Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy (Aust) Pty Ltd	8 x 1 MWe JGS 320 GS-S.L	Coal Seam Methane

### Service Provided

Our fully trained Service Engineering Team provide comprehensive support from our Parts and Service Workshop facilities in Melbourne, and our operational bases in Sydney, Perth and Auckland.

### Scope Of Work

Commissioning and handover of the plant was completed by June 2004, after which point Clarke Energy (Australia) Pty Ltd undertook a comprehensive Operational and Maintenance contract with Envirogen.

The project entails power to be generated at 415V and stepped up to 11kV for feeding into the electricity grid. The Generators are designed and assembled in acoustic enclosures for noise containment. Each enclosure is fitted with ventilation fans, fire protection, suppression, inlet and discharge air attenuators and exhaust gas system.

Controls, L.V. switchgear, generator control panels and main switchboard are housed in a custom built switchroom. The generator control system is managed by the Dia.ne and can be monitored remotely.

Additional components of the project include:

- Fuel Gas Conditioning System
- Mechanical and electrical installation
- Earthworks and foundations
- Instrumentation
- Fire Detection and Suppression
- Radiators and Cooling System



Authorised Distributor  
GE Energy