

Project Profile

Daandine Coal Seam Gas Power Station



Client	Capacity	Location	Operational
Arrow Energy NL	27.4MWe Export Capacity 33.0MWe Installed Capacity	Daandine, QLD	December 2006
Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy (Aust) Pty Ltd	11x 3.0 MWe JGS 620 GS-S.L	Coal Seam Methane

Scope Of Work

Clarke Energy is contracted to undertake the 'Turnkey' design and construction of the Daandine Power Station on behalf of Arrow Energy. The site consists of 11 GE Jenbacher 3.0MW gas engines with electrical efficiencies higher than 43%. The engines will be installed in purpose built individual enclosures, each with their own engine control compartment located at one end of the enclosure.

The site will use coal seam gas from Arrow Energy's gas reserves. The properties of this gas deliver methane levels greater than 95%, with quality comparable to natural which provides a stable fuel source for this application.

The enclosures have been designed in line with GE Jenbacher's installation guidelines and Clarke Energy's focus on service to allow Clarke Energy's Service Engineers easy access to the engines for all levels of maintenance.

Upon completion of the contract Clarke Energy will undertake a long term Operation and Maintenance contract with Australian Pipeline Trust. The contract includes operation and maintenance of the entire plant and is backed by Clarke Energy's availability guarantees.

The unique range of in-house expertise, coupled with being the distributors for GE Jenbacher, is unparalleled by others in the industry. This ensures the Guarantees for performance and availability offered by Clarke Energy are achieved as there is only one party involved, Clarke Energy.



Authorised Distributor
Jenbacher gas engines