



Project Profile

Glennies Creek Waste Coal Gas Power Station



Client	Capacity	Location	Operational
Envirogen	10MWe	Glennies Creek, Singleton, NSW	October 2007

Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy (Aust) Pty Ltd	10x 1MWe JGS 320 GS-S.L	Coal Seam/Mine Methane

Scope Of Work

Glennies Creek is Envirogen’s fourth waste coal mine gas fired power station, with the first completed nearly 10 year’s ago. Each of the 3 existing sites is operated and maintained by Clarke Energy on behalf of Envirogen under a long term O&M agreement. Glennies Creek Power Station is the second consecutive turn-key power station Clarke Energy have undertaken for Envirogen, the first being the 12MW Oaky Creek in Queensland.

The contract includes the supply of 10x 1MW GE Jenbacher gas engines installed at Glennies Creek near Singleton in New South Wales. Each GE Jenbacher gas engine is installed in an individual custom designed and built enclosure that includes noise attenuation, ventilation, cooling and fire & gas detection and CO2 suppression and an integrated engine control room.

The overall site will be controlled and managed by a bespoke SCADA system designed and developed by Clarke Energy during construction of the Oaky Creek coal gas power station.

The site is using waste gas that would otherwise be vented to atmosphere as a green house gas.

Upon completion of commissioning and handover to Envirogen, Clarke Energy will operate and maintain the station under a long term Operation and Maintenance contract with availability guarantees, therefore becoming the fourth Envirogen power station operated and maintained by Clarke Energy.



Authorised Distributor
GE Energy