

Kogan Creek Power Station

Location	Kogan Creek, near Chinchilla in South West Queensland
Capacity	750 MW
Fuel	Black coal from the CS Energy-owned Kogan Creek Mine
Employees	Approximately 75 employees
Configuration	Single unit Kogan Creek A (750 MW)



CS Energy is a Queensland government owned corporation and a major wholesale provider of electricity in Australia. We employ almost 500 people and have a trading portfolio of 4,105 megawatts in the National Electricity Market (NEM).

CS Energy operates the 1,510 megawatt Callide Power Station near Biloela in Central Queensland, the 750 megawatt coal-fired Kogan Creek Power Station, near Chinchilla in South West Queensland, and the 570 megawatt pumped storage hydroelectric Wivenhoe Power Station, near Esk in South East Queensland. The Kogan Creek Mine also forms part of CS Energy's portfolio of assets.

Kogan Creek Power Station

Kogan Creek Power Station is one of Australia's newest and most efficient coal-fired power stations.

Commissioned in 2007, the 750 MW power station can generate enough electricity to power up to one million homes.

Kogan Creek Power Station's design features include: super critical boiler technology; Australia's largest single boiler, turbine and generator unit; and water efficient dry cooling technology.

The neighbouring Kogan Creek Mine supplies coal to the power station via a four kilometre overland conveyor belt. CS Energy owns the mine and Golding Contractors operates it on our behalf.

- 1 Callide Power Station
near Biloela in Central Queensland
- 2 Kogan Creek Power Station
near Chinchilla in South West Queensland
- 3 Wivenhoe Power Station
near Fernvale in South East Queensland



Environmental Management System

CS Energy manages the environmental impact of our activities through a comprehensive Environmental Management System (EMS) at each of our power stations.

The EMS assists us in monitoring environmental performance and integrates environmental management into daily operations, long term planning and quality management systems.

Water management

Kogan Creek Power Station features an air-cooled condenser (ACC) and sources the limited water it does require from bores. The ACC uses about one tenth of the water of a conventional wet-cooled power station. The role of the ACC is to cool and condense exhaust steam after it has left the turbine for reuse back into the process.

The power station uses less than 1,000 megalitres of water per year, which it sources from the Lagoon Gully Bores, about 26 kilometres south of the station, and the Kogan Bore near the coal mine.

Emissions

CS Energy reports its greenhouse emissions, energy consumption and energy production to the Australian Government under the National Greenhouse and Energy Reporting (NGER) Scheme. CS Energy's NGER data is published on the Clean Energy Regulator website at www.cleanenergyregulator.gov.au.

Under the National Pollutant Inventory, CS Energy reports on the oxides of nitrogen (NOx) and sulphur (SOx) that it emits from its power stations to the Department of the Environment. CS Energy's NOx and SOx data is available on the National Pollutant Inventory website at www.npi.gov.au.

Fly ash management

Fly ash is a by-product of combusting coal in the power station's boiler. At Kogan Creek, more than 99.9 per cent of the fly ash is collected in giant vacuum cleaner-like filters.

Captured waste ash from the electricity generation process is piped to the nearby Kogan Creek Mine site, where it is used to fill a specially designed ash cell. Once the ash cell is full, it will be capped with mine spoil, progressively rehabilitated with top soil and then revegetated.

Careers

CS Energy employs almost 500 people across our power stations and Brisbane Office. For information about careers at CS Energy, visit our website at www.csenergy.com.au

