

Kogan Creek Power Station



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

Kogan Creek Power Station is located near Chinchilla in Queensland's Western Downs region on the lands of the Barunggam people.

Commissioned in 2007, it has a capacity of 750 megawatts and can generate electricity to power one million homes.

The 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.

As a supercritical station Kogan Creek's boiler operates at a much higher pressure and temperature than conventional coal-fired power stations. This means it converts each unit of fuel into more energy – it's a very efficient way to produce electricity.

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.

CS Energy has begun building a clean energy hub next to Kogan Creek Power Station. The first completed project in the hub is the Chinchilla Battery and work is in the final stages on the Kogan Renewable Hydrogen Demonstration Plant.

Fast facts

- **750 MW capacity**
- **Single generating unit**
- **Coal supplied from CS Energy's Kogan Creek Mine**
- **Capacity to power one million homes**
- **126 employees**

Environmental management

CS Energy is committed to operating with genuine care for the environment, actively engaging with our stakeholders and innovating as we transition to a cleaner energy future. We use an environmental management system (EMS) that meets the international environmental standard ISO 14001:2015. The EMS is a framework that allows us to assess our environmental performance against corporate responsibilities, environmental licenses and other legal requirements.

We operate and maintain our power stations to ensure they remain within their emissions limits and support reliability of electricity supply for consumers. We report our emissions annually to the Australian Government through the Clean Energy Regulator and National Pollutant Inventory, and they are publicly available on their websites.



Water management

Unlike conventional coal-fired power stations, Kogan Creek uses dry cooling technology, resulting in 95 percent less water use.

The site's air-cooled condenser uses giant fans to cool and condense exhaust steam after it has left the turbine so it can be reused again in the electricity generation process. The limited amount of water the power station does use is sourced from local bores and surface water run off collected in dams.

Since 2016, an onsite water clarification plant has recycled stormwater for use in plant operations at Kogan Creek Power Station, resulting in a 20 per cent annual reduction in bore water use. The power station can also treat additional sources of water for use in the boiler, where high quality water is required, providing a back-up water source in the event of drought or a bore failure.

Careers

CS Energy employs almost 700 people across our power station sites and corporate office in Brisbane. We're committed to creating a work environment that allows our people to explore new ways of thinking and working – and we're seeking like-minded candidates to join us on our journey. We offer attractive remuneration with 12.75% superannuation; a holiday travel scheme, and relocation, housing and education assistance.

For more information about careers at CS Energy, visit www.csenergy.com.au/careers



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