



Grosvenor Power Station

EDL owns and operates the 21MW Grosvenor 1 and 15MW Grosvenor 2 Power Stations. The stations are fuelled through the capture and combustion of waste coal mine gas, which is converted to electricity for the national electricity market.

At a glance

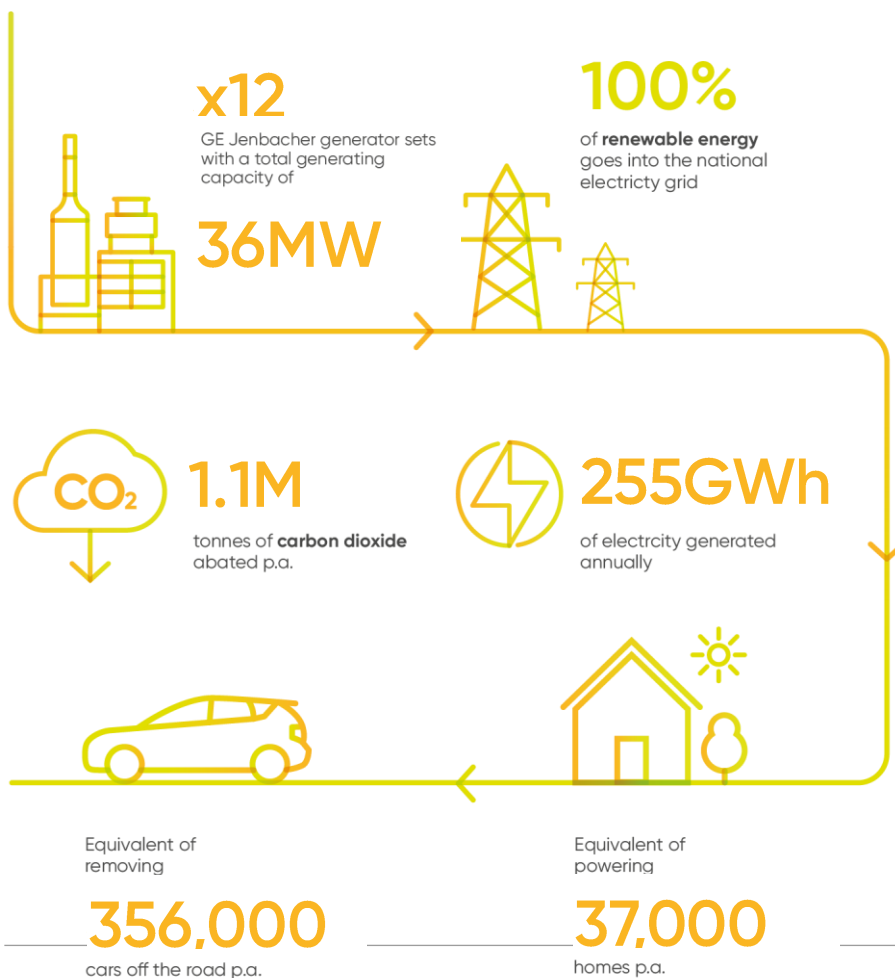
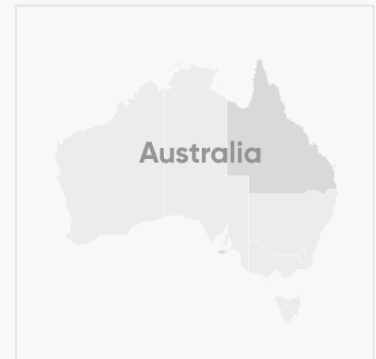
Power station name:
Grosvenor Power Station (1 & 2)

Owner/operator:
EDL

Customer:
Anglo American Coal

Primary fuel:
Waste coal mine gas

Start of operation:
2016



A world of new energy

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About the WCMG power station

EDL negotiated gas supply and connection agreements with Anglo American to develop and build the 21 MW Grosvenor Power Station in 2015. These agreements were updated in 2017 to include a 15MW expansion at Grosvenor 2.

This would be the third time EDL has built and operated such a structure on an Anglo site with one Grasree Mine and two at Moranbah Mine.

WCMG is produced during coal mining as methane gas trapped in coal seams is released. As this product can be a safety hazard and a challenge to mining operations, it is extracted by mine ventilation and coal seam drainage.

Historically a waste product that is vented or flared, the extracted methane is used by EDL as a power generation fuel—delivering reliable, sustainable and affordable energy and significantly reducing greenhouse gas emissions.

Each power station connects to the Anglo 66kV electricity network via a dedicated overhead powerline that was designed and constructed as part of the Grosvenor 1 Project. Both power stations export electricity using twelve 3MW Jenbacher J620 generator sets, seven installed at Grosvenor 1 and five at Grosvenor 2.



3MW power generation modules

EDL owns and operates a global portfolio of power stations in Australia, North America and Europe.

We are committed to energy diversity and providing innovative, sustainable solutions to meet and exceed customer needs.



Renewables



LNG/CNG



Waste coal mine gas



Landfill gas



Remote energy