



Stanwell Power Station

about stanwell

Stanwell Corporation Limited (Stanwell) is a diversified energy company. We own coal, gas and water assets which we use to generate electricity for the National Electricity Market (NEM), we sell electricity directly to industry customers and we trade in gas and coal.

With a generation capacity of more than 4000 megawatts, Stanwell is the largest electricity generator in Queensland. The business is able to help supply Queensland's energy needs through coal, gas and hydro-electric generation at seven geographically dispersed sites.

statistics

Capacity	1460 MW
Number of generating units	4
Powered equivalent	14.45 million light bulbs
Commissioned	1993–1996

About the power station

Stanwell Power Station is one of Stanwell Corporation Limited's major operating sites and, at the time of construction, one of the largest industrial developments undertaken in Queensland.

Stanwell Power Station became fully operational in 1996 and is located on 1600 hectares of land 22 kilometres west of Rockhampton in Central Queensland.

With a capacity to generate 1460 megawatts (MW), Stanwell Power Station supplies electricity to the National Electricity Market.

The power station is highly automated. It achieves high asset performance through the application of innovative technology and organisation design. These innovations have been recognised both nationally and internationally, with Stanwell Power Station currently holding a world record of 1087 days of continuous operation on Unit 1.

Fuel supply

The station's boilers burn low sulphur black coal sourced from the Curragh mine near Blackwater in Central Queensland.

Environment

Stanwell Power Station is one of the most efficient conventional coal-fired power stations in Australia, meaning that emissions are kept to a minimum.

Low nitrogen oxide (NOx) burners, electrostatic precipitators, diligent monitoring and an efficient operating regime are some of the key environmental controls at the power station.

These controls help to ensure that environmental compliance requirements, which include regulator-issued, national, state and local air and water quality standards are being met,

Low NOx burners installed in all generating units at Stanwell Power Station have significantly reduced NOx emissions.

Particulates including ash and dust emissions are managed within set limits by electrostatic precipitators

Stanwell Power Station operates under an Environmental Management System that has been developed in accordance with the international standard ISO 14001.

Community

The power station provides significant employment and business opportunities within the Central Queensland region.

Stanwell also supports regional development initiatives through a dedicated program of sponsorships, education programs and other community relations activities.

