Fact Sheet

HAZELWOOD POWER STATION & MINE

KEY FACTS

KEY OPERATIONAL FACTS ABOUT HAZELWOOD

- Hazelwood is jointly owned by ENGIE (72 per cent) and Mitsui & Co Ltd (28 per cent).
- Hazelwood is a thermal brown-coal (lignite)-fired power station.
- Stage 1 (Units 1 and 2) turbines consist of a high-pressure cylinder and a combined intermediate pressure/low-pressure cylinder.
- Stages 2 - 4 (Units 3 - 8) turbines consist of a high-pressure cylinder and double flow low-pressure cylinder.
- The generators at Hazelwood are two-pole synchronous machines, direct coupled to the associated turbine. All use a combination of water and hydrogen cooling.
- Hazelwood has eight natural circulation water tube boilers. The 63 metre-high boilers are of semi-outdoor construction with water walls, superheaters, economisers and boiler casing freely suspended as integral units.
- The eight concrete chimneys at Hazelwood are each 137 metres high.
- Hazelwood uses the adjacent man-made Hazelwood Pondage of 30,000 megalitres to circulate and cool water for reuse in the Power Station's thermal water cycle.
- Hazelwood uses lignite or brown coal sourced from its Mine. The coal, with about 62 per cent moisture at extraction, is delivered to the Power Station via an extensive network of conveyors and concrete storage bunkers.
- Hazelwood Mine excavates coal using bucket-wheel dredgers. The Mine has four dredgers, supplying 55,000 tonnes of coal per day, with another dredger removing topsoil material called overburden - three are C-frame dredgers and two are hydraulic ram dredgers.
- Up to 19 million tonnes of coal is extracted annually to fuel Hazelwood Power Station with about 4 million cubic metres of overburden removed each year to ensure access to coal reserves.
- Hazelwood occupies 3,554 hectares and has a perimeter boundary of 39 kilometres with the Mine perimeter some 16 kilometres.