

Kwinana cogeneration plant

Western Australia

The Kwinana cogeneration plant is located 40km south of Perth, Western Australia. The plant supplies steam and electrical power directly to the BP Australia Kwinana Oil Refinery and electricity only to the state-owned utility, Synergy.

The Kwinana plant is jointly owned by ENGIE and Mitsui & Co. Ltd, and Ratch Australia. The partnership trades as the Perth Power Partnership, with ENGIE and Mitsui & Co owning 70 per cent of Kwinana and Ratch Australia Corporation 30 per cent.



The plant was commissioned in December 1996 and produces 122 MW of electricity. It employs 20 people.

Kwinana is primarily fuelled by natural gas from Western Australia's North West Shelf gas fields. The gas is delivered to the plant by the Dampier to Bunbury Natural Gas pipeline.

Steam production from the plant is supported by burning refinery fuel gas from the BP Refinery. Waste heat from the gas turbine exhausts is used to drive a steam turbine, further enhancing the efficiency of the plant.

Kwinana has demonstrated a strong commitment to international standards on environmental policy, health and safety, and quality assurance. The plant is certified for its environmental practices, quality assurance and health and safety.

