



Power Stations

Killingholme



- Output: 665MW
- Turbine types: Three gas, one steam
- Permanent employees: 42
- HSE performance: No LTAs per 100,000 hours worked

Type

Combined cycle gas turbine (CCGT) power station.

Location

Chase Hill Road, North Killingholme, Immingham, North Lincolnshire.

Permanent employees 42

History

The power station was built by National Power and began commercial operation in March 1994. It was acquired in June 2004 from a banking syndicate, and is now 100% owned by Centrica Energy.

Turbines

Three 145MW gas turbines and one 227MW steam turbine. The gas turbines have operated in excess of 130,000 hours.

Where the electricity goes

A 'tolling' agreement sees the station's power output made available to British Gas Trading Ltd. **In 2009, Killingholme Power Station sent out 3,036GWh of energy.**

HSE performance

- **Annual lost time accident (LTA) rate:** No LTAs per 100,000 hours worked.
- **Last LTA:** One RIDDOR reportable accident to a contractor during the outage in May 2006.
- Fifteen first aid accidents (six employees, nine contractors) since January 2009.
- Two reportable dangerous occurrences in the last five years.

Maintenance

The on-site team is responsible for routine maintenance, with contractors brought in for specialist services, major plant inspections and overhauls. Portfolio engineering teams supervise major overhauls and review specialist technical issues.

Environmental performance

The station holds a greenhouse gas emissions permit and regulates CO₂ emissions through a cap and trade scheme. This allocates annual CO₂ credits with shortfalls or excesses traded in the marketplace. Killingholme's initial allocation of 1,357,664 tonnes of CO₂ has now been cut to 925,506. Studies show no significant impact on soil and groundwater quality from the power station's operations. There is one Site of Special Scientific Interest within 1km of the station. ■