Energy security
Facts and figures on Britain's energy use and supply.

Security of supply in Great Britain

What affects our demand for gas and electricity?

- Growing population and increased economic activity
- Faster dropping average consumption

The current situation for electricity security of supply

- Import capacity of 12 GW
- Export capacity of 1.5 GW
- 14.5 GW of generation capacity

What supplies Britain's electricity?

Electricity supplied by generation source

- Gas (35.76%)
- Nuclear (12.63%)
- Coal (2.89%)
- Renewables (29.62%)

Electricity generation will continue to be an important part of our future generation mix. We have committed to meet the net zero goal by 2050. To help achieve this, we are funding major projects such as the Hinkley C nuclear power station and the tidal lagoon at Swansea Bay.

The availability of renewable energy sources is increasing, as is the use of nuclear power. At the same time, the use of coal-based generation is reducing. The current situation for gas security of supply

- Gas imports of 53.3 GW capacity
- Natural gas fields
- LNG terminals

Britain has a reliable energy system and its gas and electricity supplies come from a diverse mix of sources. Though in an uncertain world, no system can be completely free of risk.

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