Peak electricity generation

- At the moment we use highly efficient gas turbines to generate ٠ electricity. These can adjust their output to match demand most of the time.
- When demand is at its highest, we use a smaller number of less ٠ efficient gas power plants that can be switched on and off very quickly.
- At the moment this is the cheapest way of matching energy supply ٠ with demand.
- Natural gas could be used as a back up for intermittent renewable ٠ supplies or on its own if the UK were to weaken its commitment to reducing CO₂ emissions.



Natural Gas Power Station in North Killingholme Lincolnshire Convright David

Key facts		Hebb	
Technologies:	Natural gas power plants	Applications	 Matching supply with demand Stabilising networks Back-up power Power quality
Location:	National Grid		
Readiness:	Currently used		
Environmental impacts, safety and resource use:	 Natural gas is a non-renewable resource. 		
	 Burning natural gas generates CO2 which contributes to climate change. 		