Winter Outlook

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Context Market developments

- UKCS production is continuing to decline
- New importation and storage infrastructure is expected
 - Expansion of the Belgian Interconnector
 - Grain LNG
 - Humbly Grove storage facility
- Interactions between the UK and other markets are growing
 - We can no longer assume full imports through the Interconnector or of LNG whenever required in the UK
- Generation background is similar to last winter
 - 21% plant margin
 - But around one-third of electricity capacity is gas-fired



May Consultation Document

- Ofgem ask us to produce a winter outlook report each year
- In 2003 and 2004 we published a preliminary report in May
- In 2005 we issued a consultation report in May
 - Recognised the increasing dependence on market interactions
 - Two scenarios plus some sensitivities
 - Sought input on wide range of issues
- 15 responses, qualitative rather than quantitative
- No clear consensus but useful as a guide



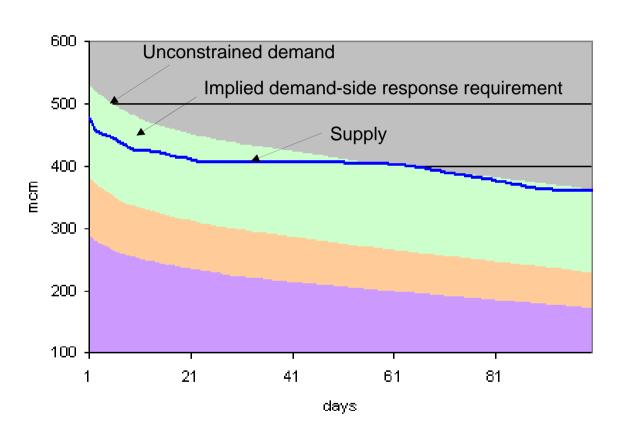
Winter Outlook Report Overview

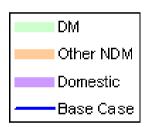
- Published by Ofgem
- Takes account of latest analysis and guided by consultation
- Uses a base case rather than scenarios
 - Somewhere between the consultation scenarios
 - A balanced view but lots of uncertainty
 - Supplemented by sensitivities
- Base case used to analyse the supply-demand position
 - Gas, electricity and the interaction between the two
- Output revolves around the need for gas demand response



Winter Outlook Report Example of analysis

1 in 10 Cold Load Duration Curve Analysis for 2005/06





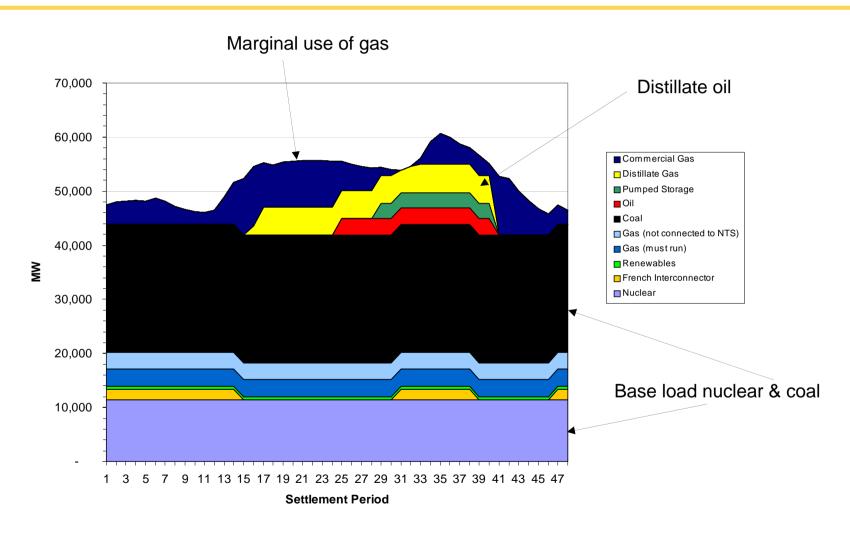


Interaction between gas and electricity

- Gas and electricity markets modelled together
- Estimates ability of CCGT sector to reduce demand
 - Results are at the "optimistic end of possibilities"
- Takes account of:
 - Real weather patterns
 - Half-hourly electricity demand
 - Anticipated generator availability
 - Daily gas demand
 - Anticipated gas supply



Interaction between gas and electricity Potential cold day electricity generation profile





Interaction between gas and electricity Implications

Winter severity	Estimated demand- side response required (bcm)	Potential contribution from CCGT sector (bcm)	Approximate residual requirement as percentage of non-power DM market sector
Average	0.1	0.1	None
1 in 10 cold	2.2	1.3	30% on average over 40 days
1 in 50 cold	3.7	1.8	50% on average over 50 days

