



## Ensuring safety in new nuclear build

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## Where we have come from.....

- Twenty years of nuclear industry stagnation in the UK
- 2003 Energy Review – 'maintain option of nuclear'
- 2006 Energy Review – 'nuclear has a role to play'
- 2006 Judicial review
- 2007 Energy White Paper – grants the option of private sector investment in new nuclear power stations
- 2007 White Paper – 'meeting the energy challenge'

## Where we are today.

- Secretary of State 10<sup>th</sup> Jan Announcement / Energy White Paper
- Joint regulatory framework - NII, EA and OCNS
- Generic design assessment – target completion April 2008
- Waste Strategy
  - 'need to be satisfied that effective arrangements exist or will exist to manage and dispose of waste'
  - Operators responsibility for meeting costs of decommissioning and waste management

## Future challenges to assuring nuclear safety

- Political priorities
- Regulatory priorities
- Industry priorities
- General Public

## Ensuring safety – Political priorities

- HMG to undertake a number of facilitating actions to reduce regulatory and planning risks
- Secretary of State, DBERR to prioritise three designs
- Secretary of State - keen to ensure UK has most effective regulatory regime in the world
- Framework for implementing long-term waste disposal in a geological disposal facility

## Ensuring safety – Regulatory priorities

- Robust regulatory framework – “is mature, flexible and transparent” – IAEA
- NII to have sufficient technical skills and academic knowledge
- Skills shortage to drive enhancing efficiency
- Prioritisation process against a 2016-2022 timeframe

## Ensuring safety – Industry priorities

- Acceptance of evolutionary designs drawing on operating experience
- To co-ordinate through HMG a nuclear build strategy
- Investing in skills base –construction through to operation
- Challenge the processes that assure safety
- Engage in the strategy for long-term disposal of waste

## Ensuring safety – General Public priorities

- Safety No 1 - for Government, Regulator & Industry
- Demonstrable highest safety standards in efficiency gains
- Communicate how safety is achieved and safeguarded

## Lloyd's Register's priorities for the coming years

- To contribute to the management of nuclear safety so that the risks are acceptably low
- Bridging the skills gap for the industry – bringing together private and public sector experience
- Ensuring the right training mix
- Promote the adoption of current best practice in the nuclear safety industry

# Conclusions

- A new era is bringing new challenges
- Ensuring safety is the priority
- Well considered efficiencies to maintain the safety priority
- Engage and Communicate

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