

Developing Carbon Capture and Storage on a Commercial Scale: Overcoming the Barriers to Implementation

11th November 2009, Eversheds, London



New coal-fired power stations are needed in order to meet the energy gap and ensure a diverse energy mix. With coal-fired power stations being built globally at a rapid pace, making coal clean is an imperative without which climate change goals will not be met. Carbon Capture and Storage has the potential to reduce CO₂ emitted from fossil fuel plants by up to 90%.

With the Government currently consulting on the conditions to be placed on future coal power stations this conference focuses on the commercial viability of the technology and looks at the role of carbon trading in improving the economics of carbon capture projects.

How feasible is it for all coal power stations to operate carbon capture and storage and what are the implications for the industry and for the consumer?

Your chance to hear from a leading line up, including:

Speaker from European Commission DG TREN, Coal & Oil

Dr Stephen Brown Programme Director of Carbon Capture and Storage **CO₂ Sense Yorkshire**

Michael Woods Partner **Eversheds LLP**

Neil Crumpton Energy Specialist **Friends of the Earth**

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Who should attend?

- DECC, DCLG, HM Treasury, and Government Offices for the Regions
- European Commission
- Carbon Capture and Storage Association
- Energy companies
- Coal industry organisations
- Operators/ owners of coal power stations
- Energy exploration companies
- Regional Development Agencies
- Environment Agency
- Environmental groups
- Energy groups
- Business organisations
- Engineering companies
- Chamber of Shipping and shipping lines
- UKMPG and ports
- National Grid & the regional Distribution Network Operators (DNOs)
- Local authorities – planning, environment and energy job titles
- Ofgem
- Country & Business Landowners Association & CPRE
- National Parks, National Trust, English Heritage, Natural England
- Land-use planners & Surveyors
- Energy and environmental consultants
- Project management companies
- The Planning Inspectorate
- Bankers and financiers
- Academics

Benefits of attending:

The conference will cover the following:

- Why we need clean coal and the Government's proposals for CCS demonstration and deployment
- European policy towards carbon capture and storage and the impact of the EU ETS
- The scale of the challenge
- The impact of the carbon markets on the economics of carbon capture and storage
- The implications for investors and for consumers
- Investing in and developing the infrastructure for capturing, transporting and storing carbon



World Coal is a monthly industry magazine that covers the entire coal chain, from the mine to the end user. The magazine is ABC audited with a worldwide circulation. Its readership includes key decision makers from every sector of the industry. Editorial is international in its outlook. Each month features a regional report that focuses on a specific coal producing region in depth. There are also regular features on key aspects of the coal chain, such as transportation and coal preparation, as well monthly news and editorial comment. The magazine also has a sister publication, World Coal China.

Programme

08:45 Registration and coffee

09:30 Chairman's opening remarks
Mark Woodall Senior Adviser **Climate Change Capital** (Invited)

Section 1 – The need to develop carbon capture and storage

09:35 **Opening address**
Why we need CCS, the Government's clean coal consultation proposals and the CCS competition

- The CCS Strategy
- How will CCS be assessed in 2020 and by who?
- What if the technology isn't proven?
- Providing clarity on contingency measures

Lord Hunt of Kings Heath OBE Minister of State for Energy and Climate Change

09:55 Questions and discussion

10:00 European policy towards carbon capture and storage and the impact of the EU ETS
Speaker from European Commission DG TREN, Coal & Oil

10:20 Questions and discussion

10:25 The Conservative Party's vision for the UK's future energy policy and the role of carbon capture and storage within this
Greg Clark MP, Shadow Secretary of State, Energy and Climate Change (Invited)

10:45 Questions and discussion

09:35 **The scale of the challenge**

- The feasibility of the consultation proposals
- How feasible is looking to implement carbon capture and storage on all developments by 2020?

Peter Whitton Chair **Progressive Energy** (Invited)

11:05 **The reality of the Government's proposals**
Neil Crumpton Energy Specialist **Friends of the Earth**

11:20 Questions and discussion

11:30 Morning coffee

Section 2 – The economics of implementation

11:50 **Funding carbon capture and storage**

- Where will the money come?
- Will affordability increase as the technology is proven?
- Potential costs of retrofit

Helge Lund CEO **StatoilHydro** (Invited)

12:10 **The impact of the clean coal consultation proposals for developers of future coal power stations**

- Feasibility of the proposals
- Investing in the infrastructure – clusters
- Ensuring a level playing field with existing coal plants

Andy Reed CCS Project Developer **E.ON UK** (Invited)

12:30 **The potential for external financing of CCS**
Speaker from Royal Bank of Canada (Invited)

12:50 **Introducing a new funding mechanism – the implications of the UK Government's proposals for suppliers and for consumer energy bills**
Alistair Buchanan Chief Executive **Ofgem** (Invited)

13:10 Questions and discussion

13:20 Lunch

Section 3 – CCS and the carbon markets

14:20 **The crucial role of the carbon markets in ensuring CCS is financially viable**
Speaker from Climate Change Capital (Invited)

14:40 **Ensuring the regulatory environment is right – the impact of the carbon markets on the economics of carbon capture and storage**
Michael Woods Partner **Eversheds LLP**

15:00 **Carbon finance – what investors are looking for from the market**
Speaker from Merrill Lynch (Invited)

15:20 Questions and discussion

15:35 Afternoon tea

Section 4 – CCS technology – where are we now?

15:55 **Trialling carbon capture and storage**
Lars Strömberg Vice President **Vattenfall** (Invited)

16:15 **Developing carbon capture and storage in the UK – the challenges of retrofit: Longannet**
Speaker to be confirmed

16:35 **Developing the infrastructure for transportation and storage in Yorkshire and Humber**
Dr Stephen Brown Programme Director of Carbon Capture and Storage **CO₂ Sense Yorkshire**

Section 5 – The future

16:55 **Panel debate**
How far away are we from developing a financially viable model for CCS?

- The impact on the UK coal industry
- How does CCS fit with nuclear and renewables policy and funding?

Jeff Chapman Chief Executive **CCSA** (Invited)
Michael Woods Partner **Eversheds LLP**
Neil Crumpton Energy Specialist **Friends of the Earth**
Giles Dickson Director Government Relations in Europe **Alstom** (Invited)
Tony Lodge Research Fellow **Centre for Policy Studies** (Invited)

17:25 Chairman's closing remarks

17:30 Close of conference

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Registration Form

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11th November 2009, Eversheds, 1 Wood Street, London, EC2V 7WS

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