



Carbon Capture & Storage Association

Issue No. 05
Week 2 February 2009

CCSA Weekly Newsletter

Page 1	Page 2	Page 3	Page 4	Page 5
Headlines	UK News European News International News	International News Reports CCSA News	Upcoming Events	Upcoming Events Contact Us

Headlines

National Grid unveils plans for CO₂ transport and storage network

StatoilHydro's plans for Mongstad

SECARB begins CO₂ injection

Aker wins contract to build advanced pilot CO₂ capture plant

Aker Solutions signs FEED contract with Gassnova

NV Energy postpones all coal-fired power plants

US DoE report on Coal to Liquids with CCS

Our website

For more information about the Carbon Capture & Storage Association, our members, news highlights, events, links and much more please visit our website.

www.ccsassociation.org

UK News

National Grid unveils plans for CO₂ transport and storage network

Energy and Climate Change Committee issues calls for evidence

Britain risks being left behind on CCS

Mike O'Brien describes CCS as "a bet"

Elliot Morley to look into calls to avoid delays to UK CCS competition

European News

Norway to invest in eight research centres

StatoilHydro's plans for Mongstad

Italy complains about EC's CCS funding proposal

International News

Study to test mineralisation

SECARB begins CO₂ injection

Aker wins contract to build advanced pilot CO₂ capture plant

Aker Solutions signs FEED contract with Gassnova

NV Energy postpones all coal-fired power plants

American Recovery and Reinvestment Act agreed

Reports

US DoE report on Coal to Liquids with CCS

Study shows CCS could create millions of jobs in America

Call for US-China collaboration

UK News

Projects

National Grid unveils plans for CO₂ transport and storage network

11 February 09 - National Grid has announced that it is developing plans for National Grid Carbon - a £2 billion CO₂ transport and storage network. The network would be developed around the Humber estuary in Yorkshire where several large CO₂ sources are located and the company is thought to be in talks with E.ON, Drax Power, Scottish and Southern Energy and Yorkshire Forward. National Grid plans to be ready to operate its first CO₂ pipeline system within three years. View the [full story](#).

Announcements

Energy and Climate Change Committee issues calls for evidence

6 February 09 - The Energy and Climate Change Committee has today issued two calls for written evidence for forthcoming inquiries into the future of Britain's electricity networks and the UK offshore oil and gas industry. For further information view the [Committee's website](#).

Policy

Britain risks being left behind on CCS

8 February 09 - Lord Smith, chair of the Environment Agency, has said that Britain risks being left behind on developing CCS and that Gordon Brown's plans to beat the recession by going green lack coherence. View the [full story](#).

Mike O'Brien describes CCS as "a bet"

10 February 09 - Energy and Climate Change minister, Mike O'Brien has accused Alex Salmond (the Scottish First Minister) of gambling everything on the success of CCS. "It is a bet whereas nuclear power is not," he said. In response, the Liberal Democrat Shadow Scotland Secretary, Alistair Carmichael said "Mike O'Brien should not be talking down the huge opportunity that carbon capture represents for the expertise of Scotland's North Sea energy sector." View the [full story](#) and the Liberal Democrat [comments](#).

Elliot Morley to look into calls to avoid delays to UK CCS competition

11 February 09 - Elliot Morley, chairman of the Energy and Climate Change Committee, has said that he will look into calls from energy companies for the Government to avoid any delays to the UK CCS competition. View the [video](#).

European News

Projects

Norway to invest in eight research centres

12 February 09 - The Research Council of Norway has named eight research centres for clean technology that will receive NOK 20 million each per year for five years. CCS will be one of the main topics of research. View the [full story](#).

StatoilHydro's plans for Mongstad

12 February 09 - StatoilHydro has submitted its plans for CCS at Mongstad to the Norwegian Ministry of Petroleum and Energy and the Ministry of the Environment (as part of the implementation agreement between the company and the government). The plans describe the facility, technology and the risks associated with achieving full-scale carbon capture. The company estimates that the CCS facility at Mongstad will cost \$4 billion (NK25 billion). According to the Norwegian newspaper Dagens Naeringsliv, this brings the total bill for the CCS test centre to 40 to 50 billion kroner. View the full stories on the [plans](#) and the [estimated costs](#).

Policy

Italy complains about EC's CCS funding proposal

10 February 09 - Italy has complained about the European Commission's proposal for €1.25 billion of funding for CCS projects and €0.5 billion for offshore wind projects. Italy would instead like the money to be spent on power interconnections to the country and solar power projects. View the [full story](#).

International News

Projects

Study to test mineralisation

5 February 09 - Next month a pilot project will begin in Iceland to inject CO₂-saturated water into a basalt rock formation over 1300ft underground. The aim is to study how quickly the mixture of CO₂ and water will react with the basalt rock to form calcium carbonate. The study is being conducted by a team of Icelandic, French and American scientists in partnership with Reykjavik Energy. View the [full story](#).

SECARB begins CO₂ injection

11 February 09 - The US Department of Energy's Southeast Regional Carbon Sequestration Partnership (SECARB) has begun injecting CO₂ into coal seams in the Central Appalachian Basin. The aim of the project is to assess the potential for CO₂ storage in unmineable coal seams and enhanced coalbed methane recovery. View the [full story](#).

Announcements

Aker wins contract to build advanced pilot CO₂ capture plant

6 February 09 - CCSA member Aker Clean Carbon has signed a contract to build one of the most advanced carbon capture facilities in the industry to date. The company on February 6 signed the engineering, procurement and construction (EPC) contract for building the amine plant at the European CO₂ Technology Centre Mongstad (TCM) in Norway. The facility is expected to be completed in 2011 and will have a total annual capacity of 100,000 tonnes CO₂. Aker Clean Carbon won the contract in an open competition with participants from around the world. Aker Clean Carbon will deliver the technology and sister company Aker Solutions will build the plant, according to a contract between the two Aker-companies. Aker is also taking part in the UK government's CCS competition in a consortium with ScottishPower and Marathon Oil. View the [press release](#).

Aker Solutions signs FEED contract with Gassnova

9 February 09 - Aker Solutions has today signed a front-end engineering design (FEED) study contract with Gassnova. The study will assess and develop a system for injection of CO₂ into the seabed. View the [press release](#).

NV Energy postpones all coal-fired power plants

9 February 09 - NV Energy has announced that it has postponed plans to build any new coal-fired power stations until CCS becomes commercially viable. The announcement includes construction of the Ely Energy Center in Nevada. The company has blamed rising construction costs along uncertainty about the economy and new climate change legislation for the decision. View the [full story](#).

Policy

American Recovery and Reinvestment Act agreed

11 February 09 - Negotiations between the US House and Senate members on the American Recovery and Reinvestment Act 2009 have concluded. The Act includes funding for CCS projects. View the [full story](#).

Reports

US DoE report on Coal to Liquids with CCS

9 February 09 - A report from the US Department of Energy has found that, with CCS, the Coal to Liquid process can achieve 5 to 12% lower life cycle emissions when compared to average US petroleum-derived diesel. The fuel produced would be economically competitive when the crude oil price is \$86 per barrel. Adding biomass to the process can reduce life cycle emissions further, by up to 20%, but this increases costs. According to the report, the addition of CCS to the process is relatively inexpensive. View the [report](#).

Study shows CCS could create millions of jobs in America

11 February 09 - A coalition of labour and energy industry groups has release a report entitled "*Employment and Other Economic Benefits from Advanced Coal Electric Generation with Carbon Capture and Storage Technologies (Preliminary Results)*". The study concluded that CCS will create millions of jobs in America with great benefit to the economy. This includes 5 to 7 million man years during construction and quarter of a million permanent jobs. View the [full story](#).

Call for US-China collaboration

5 February 09 - A report by the Asia Society and the Pew Center on Global Climate has called a partnership to be launched between the US and China with the aim of limiting emissions and developing renewable energy sources. It specifically calls on both countries to make large scale investments in developing CCS. View the [full story](#).

CCSA News

Jeff Chapman comments of the price of carbon

9 February 09 - Jeff Chapman, Chief Executive of the CCSA, has been quoted in The Independent saying "The problem is that investors can't bank on a future value of carbon. It is impossible to take a project proposal to a bank based on a future price because we have seen the price collapse once before, and it is now doing it again." The full article (by Sarah Arnott) discussed the threat that the current low price of carbon poses to investment in energy projects. View the [article](#).

Rapid move to CCS

11 February 09 - In an article by New Energy Focus on inevitable and rapid deployment of CCS, Jeff Chapman discusses a range of topics including capture readiness, CCS funding and supply chain issues. View the [article](#).

Upcoming events

Building Conferences: Delivering Energy Infrastructure



24 February 2009, London, UK

For more information please view the brochure on the CCSA website:

ccsassociation.org/useful_info/associated_events.html

Platts 3rd Annual European Carbon Capture and Storage conference



26-27 February 2009, Brussels, Belgium

€300 EXCLUSIVE DISCOUNT FOR CCSA MEMBERS

Quote 'CCSA'

Platts 3rd Annual European Carbon Capture & Storage conference will once again unite the CCS community in tackling the current structural challenges, review CCS projects in their various stages and look to uncover opportunities in what will be a changed regulatory environment to ensure CCS lives up to its potential.

For more information please contact Stacey Knox:

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Email: stacey_knox@platts.com

Visit: www.platts.com/Events/2009/pc965/

CO₂ Capture, Sequestration & Utilisation



5-6 March 2009, Beijing, China

Highlights: "Integrating Energy Production with Carbon Management Strategy"

- Integrating CTL with CCS
- Current international cooperation/partnership on CCS
- Environmental, regulatory framework and incentives, socio-economic challenges
- Current CO₂ capture technologies
- CO₂ geological storage & criteria for site mapping
- Other applications of CO₂
- Carbon markets and linkage with CCS

For more information please contact Nadia AlBahar:

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Visit: www.cmtevents.com/?ev=090313&st=31&pg=Sc

CDMC 5th Clean Energy Forum - Coal Gasification 2009



1-3 April 2009, Tianjin, China

CCSA MEMBERS SAVE \$200

Quote 'CCSA'

CDMC 5th Clean Energy Forum-Coal Gasification 2009 aims to trigger global efforts in facilitating clean coal reliability, commercial viability and economics and engender customer confidence. The world industry pioneers and practitioners will bring you the latest developments and performances of coal gasification, UCG, IGCC and CCS. Also you will reach the first hand information of clean coal related business opportunities all over the world, particularly in China, India, Indonesia, South Korea and Central Asia etc.

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Petroleum Economist Forum on Carbon Capture & Storage

- Event postponed until June



9-10 June 2009, London, UK (Note the change of date)

AS A MEMBER OF CCSA YOU CAN SAVE £245.

Join the Petroleum Economist Forum on Carbon Capture & Storage and explore the complex challenges behind the realities of implementing CCS technologies:

- Is CCS the key to large scale de-carbonisation?
- What policies are needed to drive progress?
- Testing, testing, testing - justifying the demonstration projects
- Developing commercial opportunities for CCS
- The PR challenge - How can CCS win over public opinion?

For more information:

Visit: www.petroleum-economist.com/ccs

Call: +44 (0) 20 7779 8840

Email: events@petroleum-economist.com

The Carbon Reduction Commitment: The Implications for Business

30 April 2009, London, UK

MEMBERS OF THE CCSA SAVE 10%

Quote 'CCSA10'

The Environmental Industries Commission presents the essential event for understanding the implications the Carbon Reduction Commitment on your business.

Keynote Speaker: Joan Ruddock MP, Minister for the Carbon Reduction Commitment

For more information:

Visit: www.eic-uk.co.uk/crc2009.cfm

Or contact Rob Hill at EIC:

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Email: rob.hill@eic-uk.co.uk

External events

Westminster Energy, Environment & Transport Forum
Keynote Seminar: Implementing the UK's Carbon Targets

24 April 2009, London

CCSA MEMBERS DISCOUNT OF 15%

Quote 'CCSA'

www.westminsterforumprojects.co.uk/weetforum/

Contact Us

The Carbon Capture & Storage Association (CCSA) exists to represent the interests of its members in the business of capture and geological storage of carbon dioxide (known as Carbon Capture and Storage, or CCS) as a means of abating atmospheric emissions of carbon dioxide and potentially, as a means of enhancing the production of fossil hydrocarbons. From its base in London the CCSA brings together specialist companies in manufacturing & processing, power generation, engineering & contracting, oil, gas & minerals as well as a wide range of support services to the energy sector such as law, banking, consultancy and project management.

The Carbon Capture and Storage Association

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