



Carbon Capture & Storage Association

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CCSA Weekly Newsletter

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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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UK News

Committee on Climate Change advises government to fund gas CCS project

18 June 2010 - The Committee on Climate Change has advised Chris Huhne to consider extending the CCS competition to include gas as well as coal demonstration projects. In a letter to the Secretary of State for Energy and Climate Change, Lord Adair Turner suggests that serious consideration should be given to funding at least one gas CCS demonstration project as part of the four coal CCS demonstration projects committed to in the Coalition Agreement. This is based on new evidence on the potential competitiveness of gas CCS with other forms of low carbon generation, and the very limited international effort to develop this technology. Also recommended is an Emissions Performance Standard that would effectively require any new gas plant beyond 2020 to be fitted with CCS, although plant added to the system before 2020 would remain exempt. View the [press release](#).

HRH The Princess Royal opens Doosan Power Systems' emissions reduction test facility

21 June 2010 - The Doosan Babcock test facility features Post Combustion Carbon Capture (PCCC) technology and will be a key component in what is now the world's largest carbon capture research facility, simulating the entire process of modern coal-fired power generation. It will burn real coals and biomass, and includes a range of gas clean-up systems, before carbon dioxide capture takes place. The new facility makes the Renfrew site a global centre for carbon capture research, complementing the world's largest OxyCoal™ Clean Combustion Test Facility. View [press release](#).

UK government budget 2010

22 June 2010 - Relevant issues highlighted in the budget are reform to the Climate Change Levy to provide more certainty and support to the carbon price, the creation of a Green Investment Bank following the Spending Review, and the establishment of Infrastructure UK (IUK) to lead work within HM Treasury to enable greater private sector investment in infrastructure and improve the Government's long-term planning and delivery. View the [budget website](#).

Carbon price is not right say Carlton Power

21 June 2010 - A senior engineer with Carlton Power, a developer behind two major power stations, says the price of carbon needs to rise before carbon capture and storage technology for gas-fired plants can become viable. "We worked out to fit carbon capture and storage to Trafford, it was about 65 to 70 euros a tonne. The price of carbon stands at 15 euros a tonne. The price of carbon needs to rise substantially, there needs to be an acceleration to make CCS for gas-fired plants economically viable." View the full [news story](#).

Fears mount for green projects as Osborne culls RDAs

24 June 2010 - Some of the UK's most high profile green projects, including Carbon Capture and Storage, are facing an uncertain future after George Osborne's budget this week confirmed plans to phase out Regional Development Agencies (RDAs) and replace them with new Local Enterprise Partnerships. A spokeswoman for Yorkshire Forward, which manages the Yorkshire and Humber carbon capture and storage LCEA commented that: "There's a lot of uncertainty and we are waiting for the next line from government," she said. "Green projects may or may not be cut. We know that the green agenda is important to the government, but we do not yet know how specific projects will be affected." View the full [news story](#).

International News

DOE signs cooperative agreement for post-combustion CCS project

18 June 2010 - The U.S. Department of Energy has signed a cooperative agreement with NRG Energy Inc. (NRG) under the Clean Coal Power Initiative for the Parish Post-Combustion CO₂ Capture and Sequestration Project to sequester 400,000 tons of carbon dioxide per year. The project team aims to demonstrate that post-combustion carbon capture can be economically applied to existing power plants - particularly those having the opportunity to sequester CO₂ in nearby oil fields - and the viability of sequestration in such formations. View the [press release](#).

J-Power to test carbon capture for IGCC plants

19 June 2010 - J-Power announced that it will conduct tests for capturing carbon dioxide from an integrated gasification combined-cycle (IGCC) system. The experiments will be conducted at a J-Power research facility that is known as the world's first to successfully capture CO₂ at a coal-burning power plant. J-Power is teaming up with the New Energy and Industrial Technology Development Organization, or NEDO, for this four-year project, which starts this fiscal year. View the full [news story](#).

Carbon capture as profit, not cost, Calgary chamber of commerce audience told

19 June 2010 - Large-scale sequestration of carbon dioxide in old oilfields has the potential to revive Alberta's flagging conventional oil industry and add a billion barrels of additional crude reserves, Ian MacGregor, a leading proponent of an upgrader and CO₂ pipeline told a Calgary chamber of

commerce audience on Friday, saying that large-scale carbon sequestration is commercially viable today, but only provided the greenhouse gas is used to increase recovery from depleted oil reservoirs. MacGregor's companies are planning to capture CO2 and make it available for enhanced oil recovery, starting with an initial project at Clive. When it comes on stream in 2013, it will be the largest commercial carbon-sequestration project in the world. View the full [news story](#).

Report on shepherding clean energy projects through the "Valley of Death"

22 June 2010 - A new report has been issued by Bloomberg New Energy Finance (BNEF) and the Clean Energy Group (CEG) titled *Crossing the Valley of Death; Solutions to the next generation clean energy project financing gap*. It evaluates current gaps in clean energy financing and offers recommendations to address the so-called commercialization "Valley of Death" financing shortfall that occurs before a clean energy technology can achieve commercial viability. The findings are based on analysis of interviews with more than five dozen industry thought-leaders and underlined with quantitative research. View [report](#).

Work Foundation report - A 2020 Low Carbon Economy

22 June 2010 - New research from The Work Foundation shows that confusion over regulation and a proliferation of agencies and bureaucracy is putting the creation of jobs in the low carbon economy at risk. View [report](#).

Canada's federal government adopts tough new regulations to clean up coal plants

23 June 2010 - The Canadian Environment Minister Jim Prentice has announced hard timelines for coal-fired power generators to either reduce their carbon emissions to the equivalent of a natural gas plant or retire the plant. Carbon capture and sequestration projects remain an option both for federal and provincial governments. "In the long term there will continue to be significant research done on clean coal, both inside of Canada and outside, and eventually there will be opportunities to generate power from coal in Alberta and in Canada," said Brian Vaasjo, chief executive of Capital Power Corp. View the full [news story](#).

Guidance on CCS emissions issued

22 June - Guidelines for monitoring and reporting emissions from the capture, transport and geological storage of CO2 were published in the Official Journal of the European Union on Tuesday. The guidelines on emissions from carbon capture and storage (CCS) and transport were adopted by the European Commission earlier this month. They are intended for installations covered by the EU's emissions trading scheme using CCS technology. View the [publication](#).

CCSA News

Jeff Chapman, Chief Executive of the CCSA, has been quoted in the following articles:

[Gas power stations 'should have carbon capture'](#)

Guardian.co.uk
17 June 2010

[Climate Committee urges government to extent CCS to cover gas plants](#)

BusinessGreen.com
18 June 2010

[Committee advises UK Government to consider CCS on gas](#)

Carbon Capture Journal
18 June 2010

[Huhne advised to extend CCS competition for gas projects](#)

New Energy Focus
18 June 2010

[Canada moves to deliver world's first CCS standard](#)

Business Green
21 June 2010

Upcoming events

Smart Grids and Cleanpower Conference Expo



24, 25 June 2010

1000 GMT +1 - 1730 GMT+1

Building the commercial framework for energy sector transformation

Massive investments are required to transform the energy sector, starting today. Learn how smart grid technologies will help increase energy efficiency, reduce losses and give more control to the energy end-users. Also learn what is the real potential impact of different energy sources on carbon emissions, inland energy supply and global energy prices.

Attend for two days - only GBP350 - and compare your views and perspective with an impressive line-up of senior executives and thought leaders in the energy industry. Hear from key industry players and authorities exploring the following topics -

- . Enabler technology platforms for smart grid
- . Building routes to customers and demand management
- . Regulation and policy
- . Power plants and CCS - efficiency strategy
- . Solar, biomass, wind generation
- . Energy security and smart grid functionality

Key Speaker -

Lord Oxburgh, President, CCS Association

Prof Michael Kelly, Cambridge University, former CSA to DCLG

Matthew Delany, Government Affairs, Vestas A/S

Philip Sharman, Director, Alstom Power

Martin Pollock, Director, Siemens Energy

Marie Francis OBE, Chairman, InCrops

Sarah Harrison, Head of Sustainability & Planning, Ofgem

Register here: <http://www.bit.ly/cleanpower>

CCSA members are entitled to a 10% discount. Quote 'CCSA'.

4th Annual Carbon Capture & Sequestration: The Business Summit

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July 13-15, 2010

Almas Temple Club

Washington, DC

4th Annual Carbon Capture & Sequestration: The Business Summit

July 13-15, 2010 | Almas Temple Club | Washington, DC

Meet all the players you will need to get a commercial scale demonstration project off the ground:

• CCS Developers • EPCs • Pipeline Companies • EOR & Other Sequestration Providers • Financiers

• Status and update on major CCS commercialization projects—

Mountaineer Project and Texas Clean Energy Project

• Emitter perspectives on implementing carbon capture and storage—what capture technologies and storage strategies will they adopt?

• Prospects for federal and state incentives for project development

• Siting and financing CO2 pipelines and the agreements transporters are looking to make with emitters and CO2 providers

• Business case and cost of geologic storage and EOR sequestration

PLUS: Receive a special 10% discount through membership of the CCSA!!! Just register at www.infocastinc.com/carbon10 using discount code: 105410

The 2010 National CCS Conference



Park Hyatt Melbourne, Victoria, Australia | 28th - 30th November 2010

Australia's CCS leaders invite you to the inaugural National CCS Conference, a major opportunity to be informed, to debate and to connect with others involved in the multi-faceted field of carbon capture and storage.

The conference will go beyond the technical challenges, bringing together stakeholders from all areas of CCS development to tackle the barriers to deployment of this critical low emission technology.

The 2010 National CCS Conference will feature a program of high profile speakers in fields including economics and finance, stakeholder engagement, technology and engineering and the latest developments in policy, legislation and regulation.

The conference will provide updates on major Australian and international CCS projects and unparalleled opportunities to network with leaders in the global CCS arena.

The National CCS Conference is designed for:

- Energy industry leaders
- Banking and finance industry
- Federal, state and local government
- Community leaders
- Economists
- Technology providers
- Policy advisors
- Project developers
- International investors
- Stakeholder engagement advisors
- Engineers
- NGOs
- Researchers
- Students

The Conference is the central event of **National CCS Week**, a program of CCS-based events around Australia held from 28 November to 3 December 2010.

For more information about the conference, including pre-registration, sponsorship and exhibition opportunities, visit <http://www.NationalCCS.com.au>