

## **CO2CRC science recognised through innovation award**

An expert panel of judges from science and industry has recognised CO2CRC for innovation.

Receiving the Cooperative Research Centre Association's Award for Excellence in Innovation from the Federal Minister for Innovation, Industry, Science and Research, Kim Carr, the CO2CRC Chief Executive, Dr Peter Cook, said he was pleased that the outstanding work of leading scientists from universities, research institutions and industry had been recognised.

CO2CRC won the award for the CO2CRC Otway Project, Australia's first demonstration of geosequestration.

[» Media release](#)

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## **HTC Pureenergy and EESTECH sign agreement for carbon capture with Santos**

HTC Pureenergy and EESTECH have entered into an agreement to explore business opportunities with Santos for carbon capture, storage and enhanced oil recovery using carbon dioxide from its own gas fields.

EESTECH is publicly traded on the US Bulletin Board and operates a technical facility in Brisbane, Australia. EESTECH is implementing the commercialisation of HTC's Carbon Management Technologies in Asia-Pacific including the Pureenergy CCS CO<sub>2</sub> capture technology, which is the world's first pre engineered, modular, 1000 tonne per day carbon capture system known as the "Pureenergy CCS IOOO".

The HTC Pureenergy system was developed over the past 15 years at the world renowned International Test Centre for Carbon Capture at the University of Regina, Saskatchewan, Canada. The system captures CO<sub>2</sub> from the flue gas stream of coal and gas fired power stations for subsequent storage in either underground aquifers or depleted oil and gas fields.

[» Fox Business article](#)

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## 3D mapping may help identify carbon storage sites

The Australian State of Victoria has acquired a new 3D mapping room that will help locate potential sites for carbon capture and storage.

Energy and Resources Minister Peter Batchelor unveiled the \$190,000 3D Visualisation Room at GeoScience Victoria. The mapping room is the first of its kind to be State-run in Australia.

[» Media release](#)

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## Gas problem could cause a rude shock

Australian companies would probably have to cut greenhouse gas emissions "further and faster" than many anticipated, while compensation for the start of carbon trading might be less than they hoped for, Citigroup says.

Industries in competition with rivals in countries that did not place a cost on carbon would probably get less help from the free hand-out of permits than they would like, Citigroup said in the report. These were expected to include steel, cement, aluminium and liquefied natural gas, it said.

[» The Age](#)

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## First transaction in Australian emissions scheme

An Australian company has made the first trade deal under the new national emissions trading scheme.

The legislation to oversee the market is still being written, but early trading has set a market price.

Australia's biggest energy retailer, AGL, made the first transaction with Westpac.

[» ABC Online](#)

Also see:

[» AGL makes first trade in emissions scheme](#)

[» Emissions deals looming](#)

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## Draft carbon storage laws unveiled

Resources Minister Martin Ferguson has unveiled draft legislation to establish the world's first framework for carbon dioxide capture and geological storage (CCS).

The legislation establishes access and property rights for injection and storage of greenhouse gases into a stable sub-surface geological reservoir in Commonwealth waters more than three nautical miles offshore.

» [SMH article](#)

Also see:

» [Comments from Dr Peter Cook, Chief Executive, CO2CRC, on World Today, ABC Radio National](#)

» [Offshore Petroleum Amendment \(Greenhouse Gas Storage\) Bill](#)

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## Clean coal gets \$500m budget boost

Clean coal technologies received a boost in the Rudd Government's first federal budget handed down on May 13 with \$500 million injected into establishing a fund that will help reduce greenhouse gas emissions from Australia's coal-fired power stations.

In its first federal budget in 13 years, the Labor Government announced it would allocate \$500 million to the development of the National Clean Coal Fund to support the National Clean Coal Initiative – an initiative which will support strategies for low emission technologies out to 2030.

» [International Longwall News article](#)

Also see:

» [Govt fast-tracks clean coal spending](#)

» [Emissions trading big winner](#)

» [Cleaner, greener energy](#)

» [Resources and Energy Budget Statements](#)

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## Gas 'chimneys' sweep BP CCS plan away

What was touted as Australia's biggest contribution to developing clean coal technology for use around the world in reducing greenhouse gas emissions has been scrapped.

BP confirmed yesterday the \$2 billion hydrogen energy coal-to-gas plant at Kwinana, south of Perth, would not proceed.

» [The Australian article](#)

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## Carbon capture crucial to coal future: summit

Australia has no choice but to rely heavily on carbon capture and storage to cut its greenhouse gas emissions in time to make a difference on climate change, delegates to the NSW Government's "clean coal" summit were told.

The warning came as new research by the CSIRO indicated the world was warming more quickly than predicted.

» [SMH article](#)

» [lemma urged to back clean coal](#)

Also see:

» [Carbon "capture ready" struggling in the UK, WWF News Centre](#)

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## Duke gets \$1M for carbon-dioxide study

Duke Energy Corp's coal-gasification electric power project under construction in Indiana in the US will receive \$US1 million in federal funds to study the permanent storage of carbon dioxide from the plant.

The US Department of Energy announced funding this week for projects across the country to determine if large quantities of carbon dioxide can be permanently stored deep underground instead of being released into the atmosphere.

» [Charlotte Business Journal](#)

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## US plans two large-scale CO<sub>2</sub> projects

The U.S. Department of Energy says it has awarded more than \$126.6 million for its fifth and sixth large-scale carbon sequestration projects.

The awards went to the West Coast Regional Carbon Sequestration Partnership, or WESTCARB, and the Midwest Regional Carbon Sequestration Partnership, MRCSP.

The Energy Department said the projects in California and Ohio will demonstrate the ability of geologic formations to safely, permanently and economically store around 1 million tonnes of carbon dioxide.

[» UPI article](#)

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## **US Dept of Energy Takes Next Steps with Restructured FutureGen Approach**

The US Department of Energy has released a draft Funding Opportunity Announcement to solicit public input on the demonstration of multiple commercial-scale Integrated Gasification Combined Cycle or other clean coal power plants with cutting-edge CCS technology under the Department's restructured FutureGen approach.

The draft solicitation outlines the planned scope of the project, evaluation criteria, terms and conditions, and cost sharing requirements for public-private cooperation under FutureGen.

[» US DOE article](#)

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## **Exxon unveils plans for \$100m carbon-capture plant**

Having last week faced a high-profile volley of criticism from descendants of the company's founder, oil tycoon John D Rockefeller, over its apparent refusal to discuss environmental issues, oil giant ExxonMobil recently announced plans to invest \$100m (£50m) in a carbon-capture and storage-demonstration plant.

The company said it was investing the money to complete the development and testing of a natural gas treatment plant in Wyoming that could be used to make carbon capture and storage more affordable and significantly reduce greenhouse gas emissions.

[» businessGreen.com article](#)

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## **Potential effects of underground carbon sequestration on groundwater study**

The US-based Awwa Research Foundation, the nation's leading drinking water research organisation, announced a new study to investigate the potential effect of underground carbon sequestration on groundwater resources.

[» Water Online article](#)

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## Conferences

### Introduction to the Petroleum Industry Seminars

The Australian Petroleum Production and Exploration Association (APPEA) has recently opened registrations for its 2008 series of the Introduction to the Petroleum Industry Seminars taking place in Perth, Darwin, Melbourne, Adelaide and Canberra this year between May and December.

» [Further information](#)

### 6<sup>th</sup> Annual Australian Energy and Utility Summit

The Summit will be held from 22 - 23 July at the Sydney, Sydney Convention and Exhibition Centre. Key speakers include the CO2CRC Chief Executive, Dr Peter Cook, who will discuss Demonstrating and deploying carbon capture and storage.

» [Further information](#)

### 9th International Conference on Greenhouse Gas Control Technologies

The GHGT-9, scheduled to be held in Washington, DC on November 16 - 20, 2008. The conference is aimed at providing information on the latest developments on CCS.

» [Further information](#)

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**CO<sub>2</sub> Futures is the newsletter of the  
Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC).**

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The CO2CRC collaborates with leading international and national carbon capture and storage experts to conduct world-class research into CO<sub>2</sub> geosequestration. Research organisations involved in CO2CRC include ACARP, the CSIRO, Foundation for Research Science and Technology (NZ), Geoscience Australia and the Universities of Adelaide, Curtin, Melbourne, Monash and NSW. Our industry partners are Anglo American, BHP Billiton, BP, Chevron, ConocoPhillips, the NSW Department of Primary Industries, NZ Resource Consortium, Rio Tinto, Schlumberger, Shell, Solid Energy, Stanwell, the Victorian Department of Primary Industries, Woodside and Xstrata.

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