

## CO2CRC carbon capture projects extended

\$855,000 in additional funding has been announced today for two carbon dioxide capture projects developed by the Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC).

The projects were two of five to receive funding from Brown Coal Innovation Australia (BCIA), under the Victorian Government's Energy Technology Innovation Strategy (ETIS). They are researching cost-effective ways to capture carbon dioxide from large industrial sources such as power stations.

"BCIA's extension funding will allow us to collect more valuable real-world data on these technologies, as well as supporting our highly skilled research teams from the University of Melbourne, Monash University and the University of New South Wales," said Professor Dianne Wiley, CO2CRC Capture Program Manager.

"Both of these projects are important steps in moving Victoria to a clean energy future."

The CO2CRC/HRL Mulgrave Capture Project is researching pre-combustion carbon capture from a stream of syngas at HRL Developments Pty Ltd research gasifier.

The CO2CRC H3 Capture Project is investigating ways to improve post-combustion carbon capture from Hazelwood power station as part of the Latrobe Valley post-combustion capture (LVPCC) project.

The projects are trialling three technologies, solvents, membranes and adsorbents, in order to find the most effective and economic for application to Victorian brown coal.

"Carbon capture and storage (CCS) has great potential for reducing our greenhouse gas emissions from industry, including power stations," said Professor Dianne Wiley, CO2CRC Capture Program Manager.

"By reducing the cost of the capture part of CCS, which can be as much as eighty per cent of the total cost, we can make the technology much more viable for generators."

CCS, which captures carbon dioxide from large industrial sources and stores it safely and permanently deep underground, is one of the key technologies being developed globally to deal with our growing greenhouse gas emissions. It will be part of a portfolio of global options, along with renewable energy, energy efficiency and fuel switching.

The International Energy Agency believes CCS will be responsible for as much as 19 per cent of the carbon dioxide emission reductions required to tackle the challenge posed by climate change.

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CO2CRC collaborates with leading international and national CCS experts to conduct world-class research into carbon capture and storage. Organisations participating in CO2CRC research include CSIRO, Geoscience Australia, the Universities of Adelaide, Curtin, Melbourne, Monash, NSW, Queensland and Western Australia, GNS Science (NZ), the Alberta Research Council of Canada and the US Lawrence Berkeley National Laboratory.

Industry and State core partners supporting CO2CRC are Anglo American, ANLEC R&D, BG Group, BHP Billiton, BP Australia, Chevron, Foundation for Research Science and Technology (NZ), INPEX, KIGAM, Mitsui, NSW Industry & Investment, QER, QLD Department of Mines and Energy, Rio Tinto, Sasol, Schlumberger, Shell, Solid Energy, Stanwell, Total, the Victorian Department of Primary Industries, WA Department of Mines and Petroleum and Xstrata.