



CEO'S REPORT

Over the past 11 years CO2CRC has shown the potential of CCS in reducing carbon dioxide emissions from power stations, and the value of investing in Australian science and research. Without advances in CCS technologies Australia's oil, gas and coal exports will be placed under significant pressure and without CO2CRC, Australia would not be at the forefront of research into these technologies.

This 2014 Annual Report for the period 1 July to 31 December 2014 is the final CO2CRC annual report required in accordance with the Commonwealth Cooperative Research Centres (CRC) Program guidelines.

CO2CRC has proven to be a successful public-private partnership between researchers, governments and industry on CCS research and development. We have been leaders in bringing together a diverse range of participants in a multidisciplinary approach to problem solving, and identifying and pursuing new opportunities. In 2014-2015, activities continued on storage, capture and facilitating CCS. In each of these areas CO2CRC has made significant advances. Our successes included:

- › A major public-private partnership involving Australian Government

funding of \$25 million (secured in February 2015), Victorian Government funding of \$5 million, and ANLEC R&D funding of \$10 million for the next stage of the CCS storage program at the CO2CRC's Otway, Nirranda South site.

- › A final investment decision for 2C Otway Project made by the Board in November 2014. This stage will use seismic techniques to monitor injected CO₂ and safely demonstrate trapping processes in a saline aquifer.
- › The Callide Oxyfuel Project at Biloela in Central Queensland, a world-leading demonstration project, proved carbon capture technologies can be integrated with existing coal-fired power stations. The project has tested oxyfuel technology and carbon dioxide capture under 'live' power station conditions for more than two years. The research collaboration between the project and CO2CRC's Otway Project involved transporting carbon dioxide captured at Callide by road to the Otway Basin site. The injected carbon dioxide was used to evaluate the geochemical and physical behaviour of carbon dioxide within the storage rock, furthering our knowledge of long term permanent geological storage solutions. This is the first time in Australia that carbon dioxide emissions from an operating power station have been captured and stored underground.
- › Developing and maintaining a global network of leading organisations committed to the development of CCS technologies.

- › In December 2014 CO2CRC corporate headquarters was relocated from Canberra to Melbourne. I would like to thank all staff involved in the move for their contribution during this transition.

These successes build on more than a decade of achievement.

But the success of CO2CRC in proving CCS as a technology is greater than the world-leading science and the research which has rewritten many preconceptions and assumptions about geological storage and industrial-scale CCS. CO2CRC is globally recognised for its significant collaboration with leading research institutes in Canada, Japan, Korea, New Zealand, South Africa, UK, Germany, Israel and the US. This has resulted in published papers; and our Honours, Masters and PhD program in which more than 200 students have participated.

CO2CRC continues to develop and implement a targeted approach to working with the local communities around our projects so they have confidence in the work we are doing and our concern for their environment in all its forms. We appreciate their continued support.

CO2CRC thanks the dedication of former chairman David Borthwick AO PSM and former CEO Dr Richard Aldous to CCS. The foundation they provided will allow our new chairman, the Hon Martin Ferguson AM, and me as the incoming CEO, to progress the domestic and international effort to provide CCS services to Australian Flagship Projects, CCS researchers, and commercial projects on the ground.

Tania Constable PSM
Chief Executive Officer