



Australian Government
Department of Industry

CCS Policy and Programs in Australia



CAGS mini-workshop – Wuhan, People's Republic of China

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18 November 2014



Introduction

- Emissions Reduction Fund
- Energy White Paper
- Policy case for Low Emission Fossil Fuel Technologies
- Industry Leadership Roundtable
- Key CCS projects - ongoing





Emissions Reduction Fund

- Funding of \$2.55 billion
- Additional funding to be considered in future budgets
- Design based on 3 principles
 - lowest cost abatement
 - genuine reductions
 - streamlined administration



Operation of the ERF





The Energy White Paper is part of a broader package of Government reforms



“ *To present an integrated and coherent Australian Government position on energy policy* ”

- Green paper released 23 Sept 2014
- White paper expected end 2014
- For further developments see the website: www.ewp.industry.gov.au



Energy Green Paper Overview

1. Attracting energy resources investment



2. Managing electricity price rises

3. Building gas supply and improving market operation

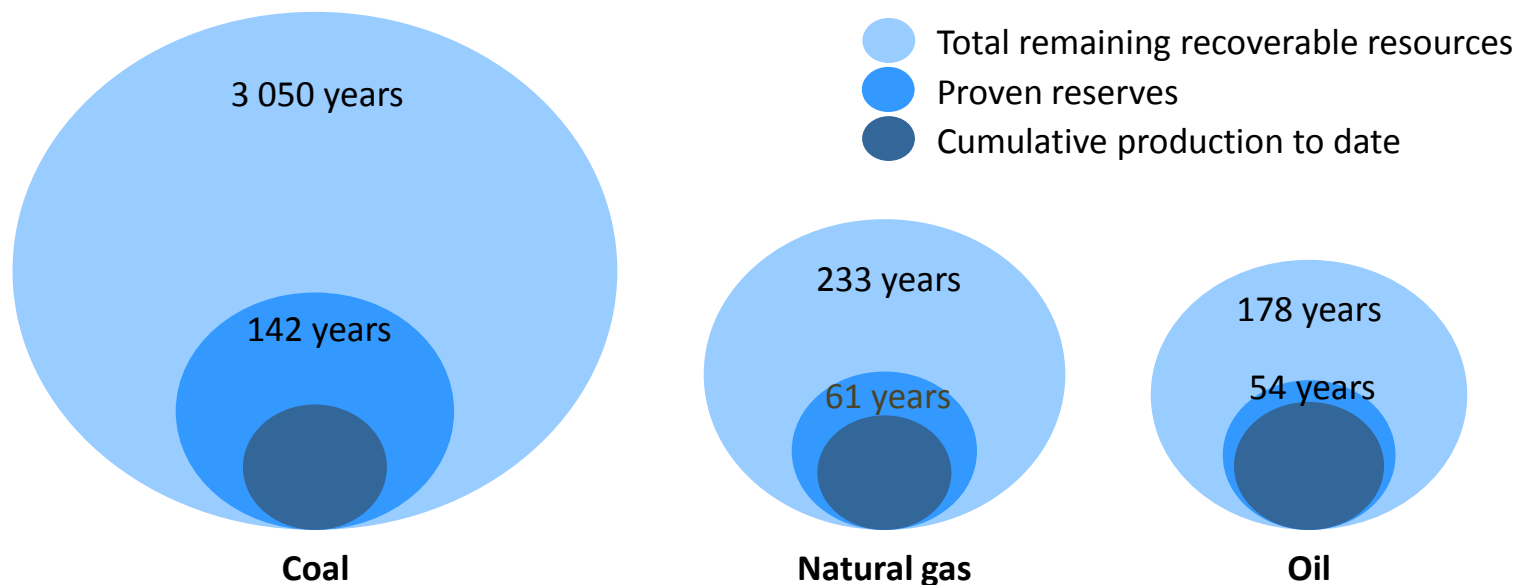


4. Enhancing security, innovation and energy productivity



Policy Case for Low Emission Technologies for Fossil Fuels

- In the foreseeable future, fossil fuels will continue to be the dominant sources of energy to meet growing global demand
- Therefore, low emission technologies for fossil fuels will play a significant role in reducing greenhouse emissions



Source: International Energy Agency, World Energy Outlook 2013



Challenges Ahead

- Competition for limited resources
- Renewable energy on the rise
- Tight fiscal environment
- Need for visible demonstration
- Progressing the CCS effort





Low Emissions Technologies for Fossil Fuels Leadership Roundtable



- LETFF Leadership Roundtable
- First meeting 11 November 2014
- Members representative of oil, gas, power generation and coal industries, research organisations, federal and state governments and the Global CCS Institute



Key CCS projects - ongoing

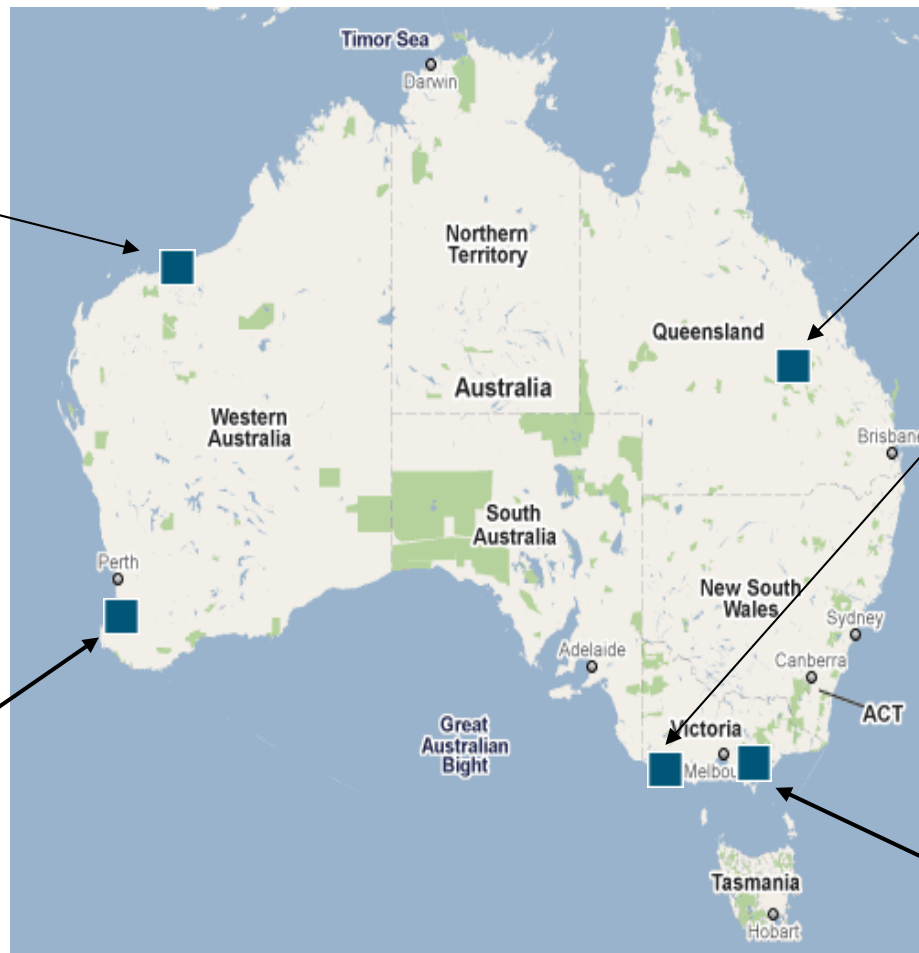
Gorgon LNG Project

Callide Oxyfuel Project

CO2CRC Otway Project

South West Hub Project

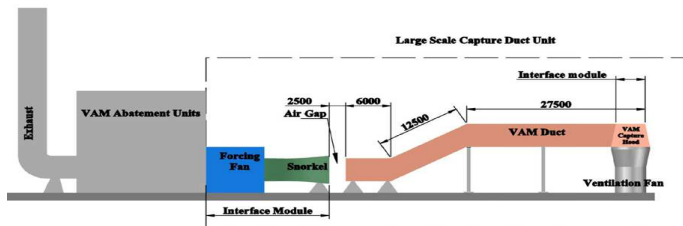
CarbonNet Project





Coal Mining Abatement Technology Support Package

- In 2013, 28.5Mt CO₂-e emissions from Australian coal mines – representing 5.3% of Australia’s net emissions.
- Two-thirds of fugitive emissions from underground coal mines released through ventilation air.
- Five Projects: \$35.5 million funding from Australian Government, matched at least 1:1 by industry funding (total value over \$81 million).
 - Bulga Underground Coal Mine drilling program – excellent results during trial phase





A New Research & Development Fund

- \$25 million from 1 July 2015
- Research and development projects to build on the work of the China PCC project
- Identify knowledge gaps





Australia-China Post Combustion Capture (PCC) Feasibility Study Project

- Centrepiece of the Australia-China Joint Coordination Group on Clean Coal Technology
- Official launch 1 September 2014
- Desktop work within Australia, and project work in China
- \$11.5 million and \$25 million over 5 years to support R&D and the PCC project in China



Project Partners:

- Australian Department of Industry
- National Energy Administration of China
- China Huaneng Clean Energy Research Institute (CERI)
- China National Petroleum Corporation HSE Research Institute
- China University of Petroleum





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Thank you

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