

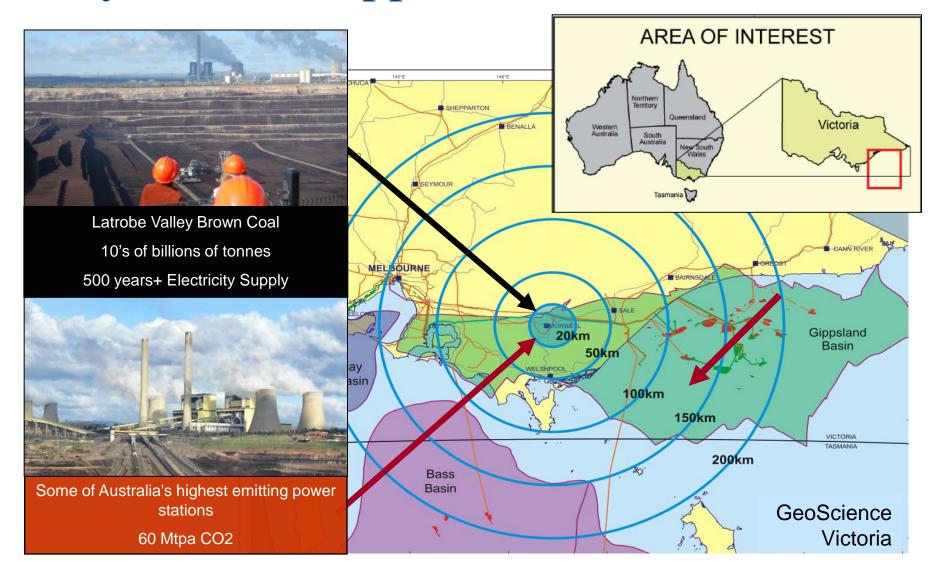
Carbon Sequestration Leadership Forum

October 2012



DEPARTMENT OF PRIMARY INDUSTRIES

Why CCS in Gippsland?

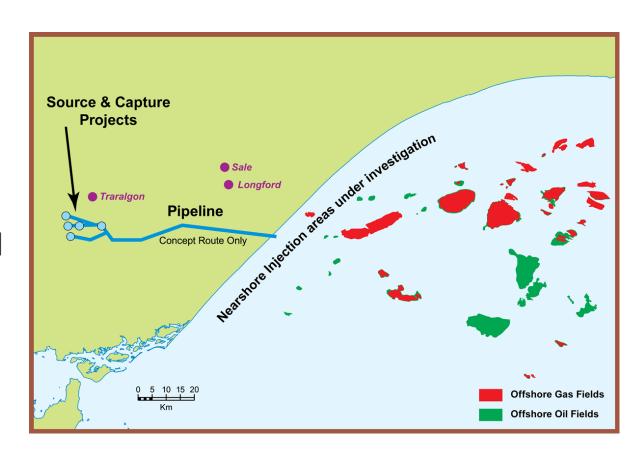


The CarbonNet Project

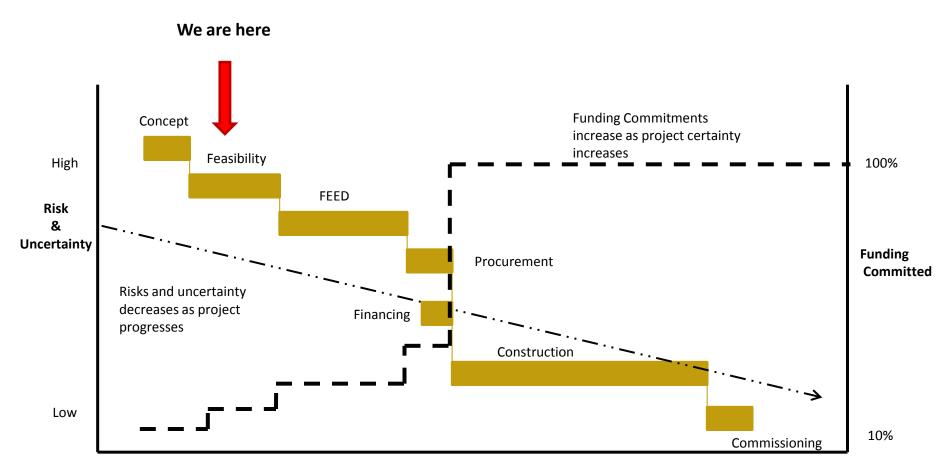
- The goal of the CarbonNet Project is to:
 - investigate and demonstrate safe CO2 storage in the Gippsland Basin
 - accelerate the deployment of CCS infrastructure
 - attract private sector participation
 - and, in doing so, underpin the growth and development of commercial scale CCS

Large-scale, multi-user CCS network

The CarbonNet Project is investigating the potential for a large scale, multi-user carbon capture and storage (CCS) network in Victoria's Gippsland region



A gated approach

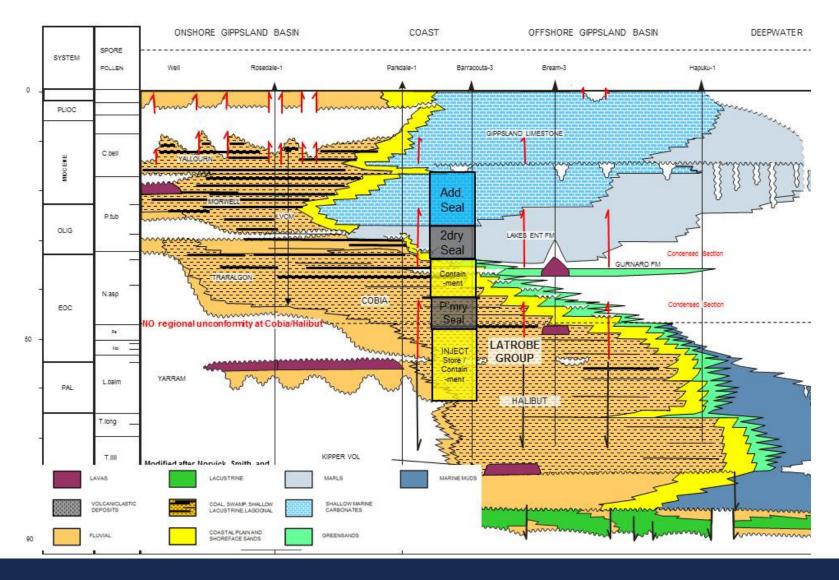


The Challenge

CarbonNet is focused on addressing the five key challenges to enable CCS deployment:

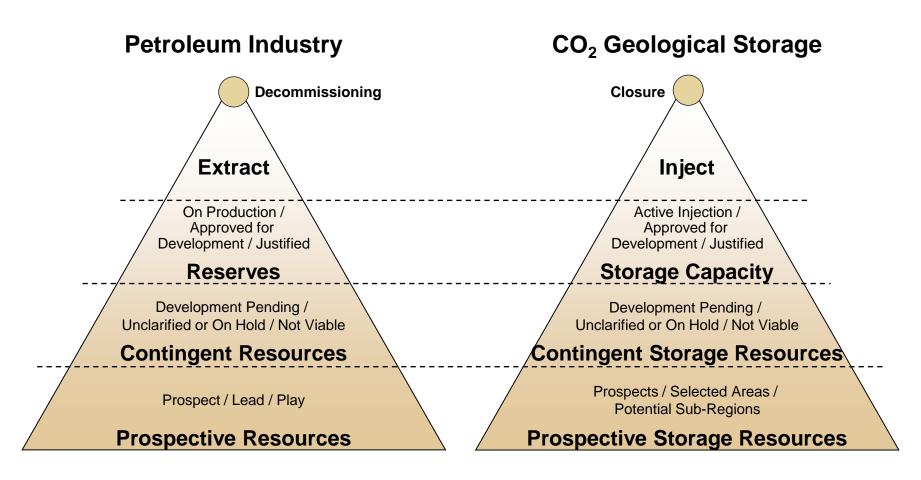
- Storage certainty
- Technology integration
- Regulatory requirements
- Commercial viability
- Public perception

Storage



Storage

CarbonNet uses the same approach as the Petroleum Industry



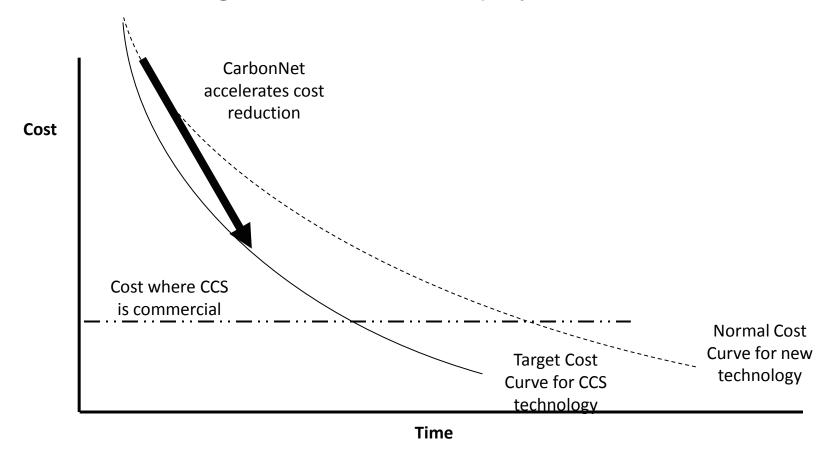
Carbon capture and transportation

- Carbon capture technology is being piloted around Australia
- Captured CO₂ is compressed and transported to be injected deep underground into secure offshore storage sites
- Many of the technologies involved in CCS are already well developed and have been used by CO₂ extraction industries and the oil and gas industry for decades.

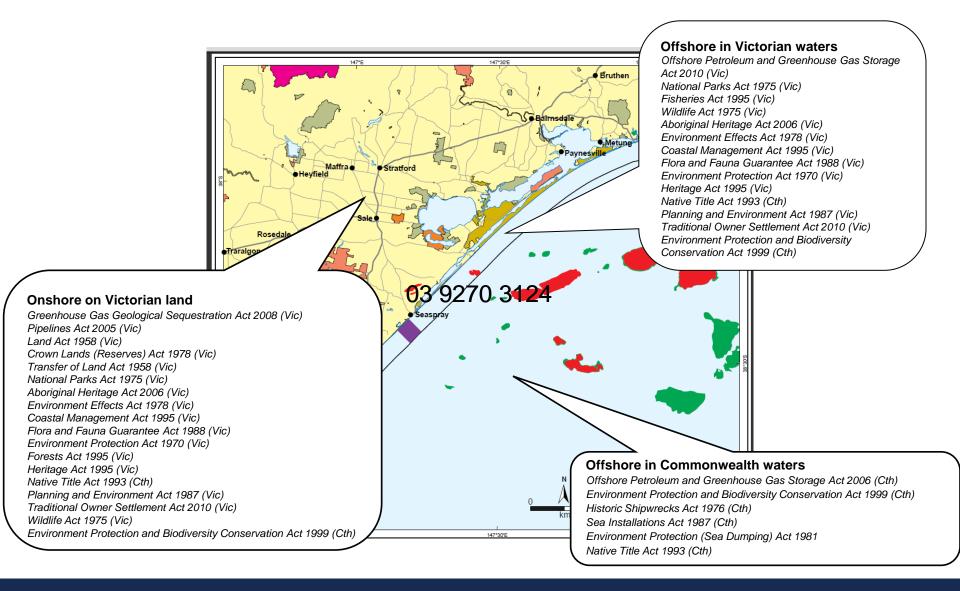


Business model

 CarbonNet will contribute to the achievement of the global goal of accelerating the commercial deployment of CCS.

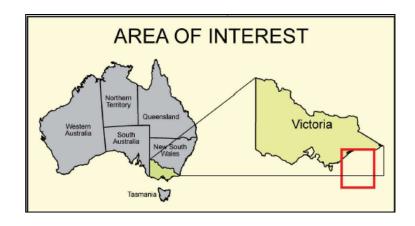


Regulations



Community engagement

- CarbonNet is committed to open, ongoing engagement with the Gippsland community
- Working with federal and state government, local councils, industry, research institutions and the local community is key to our engagement plan



 Committed to providing the community with clear, relevant and accessible information on CCS and the project risks and benefits

Working collaboratively

CarbonNet works collaboratively with many organisations:

- State Government of Victoria
- Commonwealth Government
- Global CCS Institute
- CO2CRC
- Clinton Climate Initiative
- Australian National Low Emissions Coal Research & Development (ANLEC R&D)
- Industry

CarbonNet Strategy

- Government/private sector approach in early stages
- Accelerate work program on storage
- Portfolio approach to both source and capture projects and selection of the foundation storage site
- Early consideration of a business model
- Early consideration of regulatory requirements
- Build community trust and knowledge
- Build the best core team possible and augment with expert service providers

CarbonNet – what's next?

Key activities over the next two years include:

- Conducting detailed assessments of the short-listed potential storage sites to determine the optimum location for the safe, long-term storage of CO₂
- Investigating potential carbon capture plants and transport pipeline routes
- Define the commercial structure and underlying principles to attract private sector investment
- Completing detailed analysis of the potential impacts on the Latrobe Valley of possible future changes to the energy industry
- Increasing community and stakeholder engagement



The CarbonNet Project

Maureen Clifford Communication & Stakeholder Engagement Manager

Department of Primary Industries

1 Spring Street

Melbourne Victoria 3001

Australia

T: +61 (0)3 9098 5813

E: maureen.clifford@dpi.vic.gov.au

www.dpi.vic.gov.au/carbonnet