

NEWS RELEASE

September 16, 2014

Globally unique modeling assessed the impact of CO₂ impurities on large scale CCS- Now Publically Available

CALGARY, Alberta (September 16, 2014) – PTAC Petroleum Technology Alliance Canada, in partnership with the Integrated CO₂ Network (ICO₂N), and over 20 project participants, jointly undertook a project designed to evaluate the effect of CO₂ purity on an Alberta Carbon Capture and Storage System. Both the report and model are now available publicly on the ICO₂N and PTAC websites.

Launched in 2010 and completed in 2014 the project investigated CO₂ purity, contaminants, temperature, and pressure, to build on Alberta's extensive CCS knowledge. It seeks the balancing point for purity requirements and cost effectiveness as it pertains to all stages of a CCS system: capture, transportation, sequestration and enhanced oil recovery.

"The Albert CO₂ Purity Project is a great example of a world class collaborative R&D effort which has brought a diverse stakeholder group together to work collectively in providing economic solutions to a complex environmental CCS challenge". as quoted by Dr. Soheil Asgarpour, President of PTAC.

The ACPP is the first internationally recognized project to incorporate all four components of CCS into a science-based project on purity and contamination. The four components are:



The completed project includes a comprehensive report and a user-friendly techno-economic model populated with data that can analyze system scenarios across an integrated CCS infrastructure.

"The globally unique techno economic model will allow government and industry to model the impact of CO₂ purification decisions", said Robert Craig, Managing Director for ICO₂N and Alberta CO₂ Purity Project Chair.

The model and report will debut at the International Conference on Greenhouse Mitigation Technologies, in October, 2014. Please sign up for the ICO₂N Newsletter as there will be multiple presentations on the project given by ICO₂N and project participants throughout the year.

Final Report
Techno Economic Model
Model User Manual

For additional information contact:
Robert Craig
Managing Director
phone: 403.538.2116
email: rcraig@ico2n.com

For additional information about PTAC contact:
Dr. Soheil Asgarpour
President
phone: (403) 218-7701
email: sasgarpour@ptac.org

Petroleum Technology Alliance Canada

PTAC is a not-for-profit association that facilitates innovation, collaborative research, and technology development, demonstration, and deployment for the Canadian hydrocarbon energy industry. Visit the website at www.ptac.org.

Integrated CO₂ Network

ICO₂N is consortium of energy companies who are demonstrating climate change leadership through advancement of a vision and framework for carbon capture utilization and storage. Visit the website at www.ico2n.com.