



PTAC

**PETROLEUM
TECHNOLOGY
ALLIANCE
CANADA**

From Vision to Value: CO₂ Capture, Transportation, and Injection for Enhanced Hydrocarbon Recovery

November 21, 2006

**Hyatt Regency Calgary
Calgary, Alberta**

Overview

- } **PTAC Overview**
- } **Recognition**
- } **Forum Opportunities**
- } **Networking Reception**
- } **Overview of Agenda**
- } **www.ptac.org**

PTAC Overview

- } PTAC is a not-for-profit association with a volunteer board comprised of representatives from producers, technology suppliers, researchers, government, inventors, and individuals.**
- } PTAC is a neutral facilitator or matchmaker for oil and gas innovation, technology transfer, and collaboration.**

PTAC Mandate

- } PTAC facilitates innovation, collaborative research, and technology development, demonstration, and deployment for a responsible Western Canadian upstream hydrocarbon energy industry**

Recognition

PTAC would like to thank the PTAC CO₂ EHR Technical Steering Committee for their significant contributions in the planning of this forum:

- Jim Kenny, Cimmaron Engineering
- Isabelle Filion & Dave Podgurny, Air Liquide Canada
- Sandra Locke & Philip Shum, Alberta Department of Energy
- Stefan Bachu, Alberta Energy & Utilities Board
- Blaine Hawkins, Alberta Research Council
- Russ Holowachuck, Canadian Fertilizers Ltd
- Don Spencer, Devon Canada Corporation
- Richard Lunning and Jackie Farrow, Enbridge
- Malcolm Wilson, EnergyINet
- Leah Lawrence & Mike Weiss, EnCana Corporation
- Jim Maguire, Enermark
- Adnan Zalzal, Husky Energy Inc
- Emanuelle Piron, IFP Canada Inc
- Janet Power, Natural Resources Canada
- Bill Svrcek, University of Calgary
- } Carolyn Preston & Christeen Finzel, Alberta Environment
- } Kevin Heal, ATCO Pipelines
- } Surindar Singh, AERI
- } Sean Lalaini, Ferus Gas
- } Kelly Edwards, Kereco
- } Todd Cole, ARC Resources
- } Bruce Gray, TransCanada Pipelines
- } Jennifer Burnes, Petro-Canada
- Gordon Wichert, Penn West Petroleum Ltd
- Scott Gould and Sean Durbin, Praxair Canada
- Ronnie Sadorra, Shell Canada
- Cal Coulter, Suncor Energy Inc
- Gary Bunio and Rick Carr, Paramount Resources Ltd

Staff Recognition

Thank you to PTAC staff for their efforts in organizing this event, especially to Sarah-Jane Downing and Lorie Frei.

- **Arlene Merling**
- **Brenda Belland**
- **Bobbi Singh**
- **Tannis Such**
- **Jessica Lucas**
- **Ralf Aggarwal**

Forum Outline

- } **By participating in this forum, you will:**
- **Hear Experts give the latest updates on Government Policy, Association Viewpoints, Research Initiatives, and Pilot Projects**
 - **Participate in a roundtable discussion and breakout group to identify research priorities facing industry – we will be capturing the results of this discussion and the C02 TSC will use this information in their planning of future projects etc.**
 - **Participate in a networking reception with your peers**

Forum Outline

- **The breakout session topics include:**
 - **Breakout A – Economics of CO₂ HER**
 - **Breakout B – CO₂ EHR Evaluation, Screening and Implementation**
- **Large group discussion on results of each breakout group discussions, identifying priorities and next steps.**

Overview of Agenda

} Introduction

} Presentations

- *Keynote Address: Honourable Guy Boutilier, Minister of the Environment, Government of Alberta*

} Networking Reception

- Join your peers for a networking reception in the reception lobby just outside the ballroom doors for refreshments and discussion of the day's events

Agenda

	7:30	<i>Registration and breakfast</i>
	8:00	Welcome and Introduction, Eric Lloyd, PTAC
Vision from Government And Industry	8:05	<i>Keynote Address: Provincial Government Vision for CO2, Honourable Guy Boutillier, Minister of the Environment,</i>
	9:10	<i>Government Question and Answer</i>
Government of Alberta	8:30	Vision from ARC Resources Ltd, John Dielwart, President and CEO, ARC Resources Ltd
	9:00	Industry Question and Answer
Bridging Visions – Associations, Regulators, and Screening	9:25	Vision from CAPP, Rick Hyndman, Senior Policy Advisor, Climate Change, Canadian Association of Petroleum Producers
	9:45	Vision from Alberta Energy and Utilities Board, Neil McCrank, Chair, Alberta Energy and Utilities Board
	10:05	CO2 EHR Advanced Screening in the Real World, Richard Baker, Director, Epic Consulting Services
10:25		Bridging Visions Panel Question and Answer
10:40		Refreshment Break
New Visions – Research and Development	10:50	International Test Centre for CO2 Capture, Malcolm Wilson, International Test Centre for CO2 Capture
	11:10	IFP Technologies Canada Inc, Pierre Le Thiez, Manager, CO2 Projects, IFP Inc.
	11:30	CO2 Cutting Edge, Speaker TBA, ISEEE
	11:50	Research Panel Question and Answer
	12:05	Lunch
Vision in Action – Field Pilots and Industry Experiences	1:00	Experience with CO2 EOR at Weyburn, David Hassan, Group Leader, Development, EnCana Corporation
	1:20	NOVA Chemicals CO2 Experience, Graeme Flint, Vice President, Business Development, NOVA Chemicals
	1:40	ICON CCS, Stephen Kaufman, Suncor
	2:00	Update on Apache Zama and Midale CO2 EHR Projects, Bill Jackson, Manager, Joint Venture, Apache Canada Ltd.
	2:15	Field Pilots and Industry Experience Panel Question and Answer
	2:30	Refreshment Break
Meeting the Vision	2:45	Round Table Discussions
		Breakout A – Economics of CO2 EHR
		Breakout B – CO2 EHR Evaluation, Screening, and Implementation
	3:15	Breakout Groups Report Back
	3:45	Closing Comments, Eric Lloyd, PTAC
	4:00	Networking Reception

Contact PTAC

} We are located at –

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} For further information – www.ptac.org

or contact:

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Thank you!

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