

GLOBAL CCS SYMPOSIUM – ADVANCING A PATH FORWARD

TUESDAY, OCTOBER 3, 2017		
7:45 – 8:45	REGISTRATION OPEN	
8:00 – 8:45	Breakfast	
8:45 – 9:00	WELCOME AND INTRODUCTIONS	
9:00 – 9:45	<p>“THE PATHWAY FOR RAMPING UP DEVELOPMENT” KEYNOTE ADDRESS</p>	<p>A visionary for the new pathways for CCUS, Arafat Al Yafei will share what made the decision to invest in a new iron and steel capture facility in Abu Dhabi a success with a bright future.</p> <p>Arafat Al Yafei, CEO, Abu Dhabi Carbon Capture Company (Al Reyadah)</p>
9:45 – 10:00	Networking Break	
10:00 - 11:00	<p>ARMCHAIR DIALOGUE – LARGE SCALE CCS DEVELOPMENT: “IT CAN BE DONE”</p>	<p>CCS is underway! This panel will showcase companies who are global leaders committed to large scale deployment of CCS. Speakers will highlight the benefits of having CCS as part of their diverse energy mix as well as their efforts to reduce GHG emissions.</p> <p>MODERATOR: Jeff Erikson, General Manager – Client Engagement, Global CCS Institute</p> <p>Mike Marsh, President & CEO, SaskPower Tim Wiwchar, Business Opportunity Manager, Shell David Greeson, Vice President of Development, NRG Energy, Inc.</p>
11:00 - 12:00	<p>KEY ECONOMIC CONSIDERATIONS - BUILDING ON EXPERIENCE FOR THE FUTURE</p>	<p>Panelists will share what economic considerations are needed when taking on large scale CCS projects. Speakers will discuss their experience of how economic options have changed since the projects started and what strategies and approaches they recommend going forward.</p> <p>MODERATOR: Mike Monea, President & CEO, International CCS Knowledge Centre</p> <p>Tim Thomas, Vice President and Deputy General Manager, Mitsubishi Heavy Industries America, Inc. Michiaki Harada, Senior Technical Director, Japan Coal Energy Centre Wilfried Maas, General Manager Carbon Capture and Storage Technology, Shell</p>
12:00 – 13:00	LUNCH	
13:00 - 13:20	COSIA's ASSESSMENT OF CCUS OPPORTUNITIES - Jonathan Matthews, Director Greenhouse Gases EPA, COSIA	

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13:20 - 14:30	OPTIMIZATION – AN INSIDER’S LOOK	<p>Hear it directly from the engineers – this is the inner grit. The project leads and managers of SaskPower’s Boundary Dam Carbon Capture Facility will provide a firsthand account of how opportunities presented and the valuable take-aways in how to optimize for success.</p> <p>MODERATOR: David Greson Vice President of Development, NRG Energy, Inc.</p> <p>Corwyn Bruce, Head of Technical Services, International CCS Knowledge Centre Brent Jacobs, Engineering Team Lead, International CCS Knowledge Centre</p>
Networking Break		
15:00 - 15:45	ADVANCEMENTS IN CO2 STORAGE	<p>With robust measurement, monitoring and verification programs, sequestration of CO₂ is being demonstrated as a viable, safe and reliable option for GHG reduction across the industrial heartland. Speakers will discuss the successes with CO₂ injection as well as the reliability for long-term storage.</p> <p>Moderator: Erik Nickel, Senior Project Manager, Petroleum Technology Research Centre</p> <p>Katherine Romanak, Research Scientist, The University of Texas at Austin Don White, Senior Research Scientist, Geological Survey of Canada Simon O’Brien, Shell’s Quest Project Steve Whittaker, Director of Energy Research & Development, Illinois State Geological Survey</p>
15:45 - 16:30	CCUS ON INDUSTRIAL SOURCES – “THE NEXT FRONTIER FOR GHG REDUCTIONS”	<p>Non-energy sectors are seeking to reduce their GHG emissions. Speakers from various industries will discuss their decisions and positive impact of turning to CCUS as a solution to meet their emission reduction targets.</p> <p>MODERATOR: Geoff Murphy, Director of Partnerships, International CCS Knowledge Centre</p> <p>Mona Mølnevik, Research Director Gas Technology, SINTEF Energy Research, Centre Director NCCS Brett Henkel, Co-Founder & VP, Products & Strategic Accounts, Inventys Evan Price, President & CEO, CO₂ Solutions Inc.</p>
16:30 - 16:45	WRAP-UP REMARKS FROM DAY 1 - Mike Monea, President & CEO, International CCS Knowledge Centre	
17:30 - 19:00 NETWORKING EVENT - COCKTAILS AND APPETIZERS, CRAVE KITCHEN & WINE BAR, 1925 VICTORIA AVENUE		

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WEDNESDAY, OCTOBER 4, 2017		
8:00 – 8:45	Breakfast	
8:45 – 9:00	WELCOME TO DAY 2	
9:00 - 9:15	CCS A SASKATCHEWAN SUCCESS - Honourable Dustin Duncan, Minister of Environment; Minister responsible for SaskPower, SaskWater, the Water Security Agency, and the Global Transportation Hub	
9:15 - 9:30	OVERVIEW OF CCUS IN CANADA	<p>This session will provide an overview of CCUS in Canada, including: investments to date; current RD&D priorities; international collaboration activities; enabling policy and regulatory frameworks; and Canada's approach going forward.</p> <p>Eddy Chui, Director of the Clean Fossil Fuels Group in CanmetENERGY, Ottawa, Natural Resources Canada</p>
9:30 - 9:45	DISCOVERING INTERNATIONAL BUSINESS OPPORTUNITIES THROUGH THE CLIMATE TECHNOLOGY CENTRE AND NETWORK (CTCN)	<p>The UN's CTCN provides climate advice and expertise to enable the transfer of technologies to developing and emerging countries at their request. Learn how CTCN membership can provide opportunities to share intelligence with a global network, bid on commercial opportunities and accelerate the deployment of climate expertise and technologies to developing countries.</p> <p>Diana Cartwright, Policy Analyst, Natural Resources Canada on behalf of Climate Technology Centre and Network</p>
9:45 - 10:30	CHINA PARTNERSHIPS FOR CCUS	<p>China is taking global action to reduce its GHG emissions. The direct learnings from BD3 can be shared with countries to achieve their goals. Through the partnership with the International CCS Knowledge Centre, China will help the world to lower operation and capital costs of CCUS.</p> <p>MODERATOR: Mike Monea, President & CEO, International CCS Knowledge Centre</p> <p>Zhen Sun, Deputy Director of Climate Change Department, National Development & Reform Commission Jinfeng Ma, Executive Director, National & Local Joint Engineering Research Center of Carbon Capture and Storage Xinlei Liu, Manager, Shaanxi Jingyuan Low-Carbon Research Center</p>
10:30-11:00	Networking Break	
11:00 - 11:45	ARMCHAIR DIALOGUE – CCS: ESSENTIAL Now!	<p>CCS is recognized as a critical strategy to the GHG emission reduction. Speakers will discuss their experiences, the evidence, the value and why the world can't wait.</p> <p>MODERATOR: Tim Dixon, Programme Manager, IEAGHG</p> <p>Sallie Greenberg, Associate Director of Energy Research & Development, Illinois State Geological Survey Jon Gibbins, Director, UK CCS Research Centre Sandra Odendahl, President & CEO, CMC Research Institutes</p>

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11:45 - 12:30	CCS IN A PARIS WORLD	<p>The Paris Agreement is a cornerstone for global climate action in reducing GHG emissions. All measures should be considered. Speakers will discuss how CCS can play a vital role in international efforts, cooperation and mechanisms to reduce GHGs.</p> <p>MODERATOR Margot Hurlbert, Professor, Johnson Shoyama Graduate School of Public Policy</p> <p>Katie Sullivan, Managing Director, IETA Beth Hardy, Vice President, Strategy Relations & Stakeholder Affairs, International CCS Knowledge Centre Jazmin Moto, Director of Clean Technologies, Ministry of Energy in Mexico Dominika Janowczyk, Researcher, International CCS Knowledge Centre</p>
12:30-13:30	LUNCH	
13:30 - 15:15	CCUS PATH FORWARD A PERSPECTIVE FROM ASIA	<p>This session will bring together points of view from some major developing countries of Asia to discuss how CCS and CCUS can be supported as a solution towards on GHG reductions.</p> <p>MODERATOR: David Elzinga, Senior Energy Specialist, ADB</p> <p>Dang Huy Cuong, Director General, General Directorate of Energy, Vietnam Harris Prabowo, Adviser Process and Facilities III, Pertamina, Indonesia Md. Osman Gony, Deputy Secretary, Power Division, Ministry of Power, Energy and Mineral Resources, Bangladesh Mr. Prakash Hirani, General Manager (NETRA), NTPC Limited, India (Via Video)</p>
15:15-15:30	Networking Break	
15:30 - 16:15	EXPLORING ENABLING POLICIES FOR CCS DEVELOPMENT	<p>This panel will bring together policymakers and other experts to explore the key policies, regulations, incentives and other initiatives that have enabled CCS development in Canada and select US states. Successful models, implementation challenges, and lessons learned for other jurisdictions will be highlighted.</p> <p>MODERATOR: Kathy McNutt, Executive Director, Johnson Shoyama Graduate School of Public Policy</p> <p>Jeff Erikson, General Manager –Client Engagement, Global CCS Institute Carol-Ann Brown, Senior Director, The Delphi Group Floyd Wist, Executive Director, Energy Policy, Ministry of Economy, Government of Saskatchewan</p>
16:15 – 16:30	WRAP-UP REMARKS FROM DAY 2 - Mike Monea, President & CEO, International CCS Knowledge Centre	
18:30 – 22:00	BANQUET - GLOBAL ADVANCEMENT OF CCS International CCS Knowledge Centre - Kory Hayko, Chair of The Board - Graham Winkelman, Vice Chair of the Board	

THURSDAY, OCTOBER 5, 2017

7:00 – 18:00
8:00 – 19:00

TOUR – BOUNDARY DAM CCS FACILITY / AQUISTORE/ CARBON CAPTURE TEST FACILITY