



**2012
EnerCanWest**
Energy and the Environment



February 13 – 14, 2012

The Delta Regina, Regina, Saskatchewan

Join colleagues, researchers, policy-makers, and other members of the environmental industry at the EnerCanWest 2012 Conference and Trade Show

This year's conference focuses on the significant connections between Energy and the Environment, and will feature plenary sessions discussing cutting-edge innovations, best practices, and approaches to the urgent problems and issues that the environmental and energy industries face in our carbon-challenged world. Current research and examples of technology in action will also be offered in concurrent sessions organized into two tracks, Oil and Gas and Energy and Other Energies and Fuels, as well as in poster presentations and trade show exhibits.

In addition to the plenary and concurrent sessions, this year's conference also features the following special program highlights:

- **The Green Dragon's Lair**, where environmental innovators have a chance to convince the audience and a panel of media judges that they deserve the title of "The Braggin' Dragon of Innovation,"
- **The Exhibitor Pitch Patch**, which provides a forum for a limited number of exhibitors to take to their soapboxes and present an old-style, rapid-fire sales pitch to conference delegates,
- **Cocktails, Canapés and Commerce**: the opening night reception, featuring entertainment by BlackSalt and Brenda O,
- **The Environmental Industry Leadership Award**, which recognizes the contributions of a company or individual who provided significant and recognizable leadership to and development of the Saskatchewan environmental industry over the previous year.

Conference Profile

Hosted in alternating years by Saskatchewan Environmental Industry Managers Association (SEIMA) and the Manitoba Environmental Industries Association (MEIA), the inaugural EnerCanWest conference took place in 2009 in Regina, and focused on nuclear power and the role that Saskatchewan's mining resources might play in transforming this potential energy source into a mainstream option for clean, reliable power generation. The 2010 conference was held in Winnipeg, and shifted focus to examine emerging issues in renewable energy research and application.

EnerCanWest 2012 promises to build on these conversations and expand into new areas of interest to members of the environmental industries as it examines energy and the environment from two perspectives. One program track will consider the pivotal role of Oil and Gas as a source of energy and as an area of particular strength within the Prairie Provinces and Western Canada, and the other program track examines Other Energies and Fuels as a source of future innovation and sustainable growth.

In addition to the conference sessions, the EnerCanWest 2012 Trade Show features equipment, displays and information from industry and policy leaders, key businesses, innovators, researchers and academics in a range of sectors within the environmental and energy industries.

Monday, February 13, 2012

08:00 – 09:00 Registration and Breakfast

09:00 – 09:15 Conference Opening

09:15 – 10:00 KEYNOTE ADDRESS:



Investment in the Green Economy
Andrew Heintzman

Andrew Heintzman is the President and CEO of Investeco Capital and Chair of the Premier's Climate Change Advisory Panel in Ontario. In addition to sitting on the boards for a number of corporations and foundations, Mr. Heintzman is the author of *The New Entrepreneurs: Building a Green Economy for the Future* and a co-editor of two other books on green investment, energy, and the development of sustainable food networks. Mr. Heintzman was also a co-founder and publisher of *Shift Magazine*.

10:00 – 10:30 Bio Break, Trade Show and Student Poster Viewing

10:30 – 11:00 CONCURRENT SESSIONS

1A Nathan Lemphers, Pembina Institute
Transporting Oil: Rail Versus Pipe

2A Greg Wortham, Texas Wind Energy Clearinghouse
Texas Wind Project Development and the Opportunities for Canadian Companies

11:00 – 11:05 Room Change

11:05 – 11:35 CONCURRENT SESSIONS

1B Doug Soveran, Saskatchewan Research Council
Developments in Upgrading Heavy Oil

2B Kevin Hudson, Saskatoon Light & Power
Saskatoon's Green Energy Park: Achieving a Diverse and Environmentally Sustainable Energy System Using Local Renewable Energy Supplies

11:35 – 11:40 Room Change

11:40 – 12:10 CONCURRENT SESSIONS

1C Philip Solseng, Barr Engineering
An International Perspective on Oil Sands Tailings Management

2C Kim Sigurdson, Aboriginal Ankur Corporation
A Model for Aboriginal Business Development and Biomass Renewable Energy Production

12:10 – 12:50 Lunch, Trade Show and Student Poster Viewing

12:50 – 13:15 The Pitch Patch

CONCURRENT SESSIONS in the Oil & Gas & Energy track are numbered "1". Concurrent Sessions in the Other Energies & Fuels track are numbered "2".



13:15 – 14:00

KEYNOTE ADDRESS



Scott Vaughan
Water Quantity and Quality Relative to Resource Extraction in the Prairie Provinces

Scott Vaughan is Commissioner of the Environment and Sustainable Development for the Office of the Auditor General of Canada. Before joining the Office in May 2008, Mr. Vaughan worked at the Organization of American States (OAS) in Washington, D.C., was the Head of Economics and Environment at the North American Commission for Environmental Cooperation (NAFTA Environmental Commission), and was a Counsellor at the World Trade Organization (WTO) in Geneva. He has published in the fields of environment and trade, payment for ecosystem services and international fresh water management.

14:00 – 14:05

Room Change

14:05 – 14:35

CONCURRENT SESSIONS

- 1D David deMontigny, University of Regina
Polymer Technologies for CO₂ Capture
- 2D Andrew Heintzman, Greg Wortham, Philip Solseng and Nathan Lemphers
Panel Discussion: Investing in Energy I

14:35 – 14:40

Room Change

14:40 – 15:10

CONCURRENT SESSIONS

- 1E Carmen Dybwad, IPAC - CO₂
Evolutions in Carbon Capture and Sequestration (CCS) Technology
- 2E Andrew Heintzman, Greg Wortham, Philip Solseng and Nathan Lemphers
Panel Discussion: Investing in Energy 2

15:10 – 15:40

Bio Break, Trade Show and Student Poster Viewing

15:40 – 16:10

CONCURRENT SESSIONS

- 1F Dr. Matthew Johnson, Carleton University
Flare Stack Soot: Measuring for Change
- 2F Stantec - **Clean Coal**

16:10 – 16:15

Room Change

16:15 – 17:00

The Green Dragon's Lair

17:00 – 18:00

OPENING NIGHT RECEPTION
Cocktails, Canapés and Commerce

18:00 – 18:30

Environmental Industry
Leadership Award

18:30 – 19:30

ENTERTAINMENT



A Vacation for the MIND!
BlackSalt and Brenda Q

BlackSalt and Brenda Q, one of Saskatchewan's best-known duos, present "A Vacation for the MIND! A fast-paced show combining interactive comedy, illusions, and mind reading. BlackSalt and Brenda Q are the stars of 15 episodes of magic, broadcast on CTY affiliates, and they headline numerous corporate functions across Canada each year in addition to performing on cruise ships in the Caribbean and Mediterranean.

Tuesday, February 14, 2012

08:00 – 09:00 Breakfast and Registration

09:00 – 09:05 Morning Greetings

09:05 – 09:35 CONCURRENT SESSIONS

1G Brian Kristoff, Saskatchewan Research Council
New Technologies in Oil and Gas Extraction

2G Robin Woodward, Canadian Bio-Energy Management, and Clare Kirkland, Regina Regional Opportunities Commission
The Potential for Biomass System Development in Saskatchewan

09:35 – 09:40 Room Change

09:40 – 10:10 CONCURRENT SESSIONS

1H Dr. Pedro Pereira, University of Calgary
In-Situ Bitumen Recovery and Simultaneous Upgrading

2H Lyman Moreno, University of Saskatchewan
Microbial Fuel Cells: Innovation for Sustainable Energy and Waste Treatment

10:10 – 10:40 Bio Break, Trade Show and Student Poster Viewing

10:40 – 11:10 CONCURRENT SESSIONS

1I Todd Han, Saskatchewan Ministry of Energy and Resources
Update on Upstream Oil and Gas Development Standards and Regulations

2I SaskEnergy
Steam Capture to Power Generation

11:10 – 11:15 Room Change

11:15 – 11:45 CONCURRENT SESSIONS

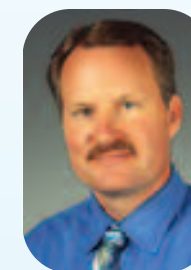
1J Dr. Mehdi Nemati, University of Saskatchewan
Bioremediation of Oil Sands Naphthenic Acids: An Economic Step for the Treatment of Tailings

2J Dr. Ajay Dalai, University of Saskatchewan
Bio-Energy and Environmentally Friendly Chemical Processing

CONCURRENT SESSIONS in the Oil & Gas & Energy track are numbered "1". Concurrent Sessions in the Other Energies & Fuels track are numbered "2".

11:45 – 11:50 Room Change

11:50 – 13:20 **KEYNOTE LUNCHEON**



Christopher Zygarlicke, University of North Dakota Energy and Environmental Research Centre
Bio-Mass and Gasification

13:20 – 13:30 Conference Closing

*This program is subject to change.





Updated program details, information on sponsorship and exhibitor opportunities, conference registration, and details on booking accommodations at the Delta Regina hotel are all available online at the conference website:

www.enercanwest.com



For more information, contact:

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SEIMA

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