



Energy Council of Canada 2014 Events

- Regional Member Forums —Ottawa | Toronto | Vancouver
- Breakfast Roundtables —Vancouver | Montreal | Regina | Halifax
- Canadian Energy Summit—Calgary
- Canadian Energy Person of the Year Award Gala

Report from the President

MAY 2014

The Energy Council's second and third Breakfast Roundtable events were successful, one in Regina and one in Montreal. The invitations and registration package for the upcoming 2014 Canadian Energy Summit and the World Energy Council North America Region Energy Forum in June were launched on May 13. Also launched in May was the updated Energy Council website. I participated in the CanSIA 2014 Solar Conference, where the closing plenary panel discussed Canada's status as an energy superpower.

Regina Breakfast Roundtable – May 13

Synergies in CO₂ Supply and Use in Saskatchewan was the theme of the Regina Breakfast Roundtable held at the Hotel Saskatchewan. The attendees included representatives from SaskPower and SaskEnergy, oil companies active in Saskatchewan, government departments, technology services companies, the First Nations Power Authority and the University of Regina.

Minister McMillan underlined the growing significance of the heavy oil industry to Saskatchewan's economy and the essential role that innovation has played in finding ways to improve the rate of recovery from Saskatchewan's heavy oil resources. The key to success has always been courage, determination and hard work. He pointed out how the province is acting to support resource development, citing the province's stable regulatory framework and support for continued research on enhancing oil recovery techniques at the Petroleum Technology Research Centre.

Robert Watson described SaskPower's role in supplying electricity to meet the growing demand in the province and the status of the world-leading Boundary Dam retrofit project. This project involves retrofit of a coal-fired generation unit and installation of a facility to capture CO₂ from the unit's flue gas. The power plant will begin operation in June and the capture facility will begin operation shortly thereafter. The Boundary Dam capture unit will be the world's first operational capture facility.

Dave Mudie of Cenovus Energy and Ed Connolly of Husky Oil Operations provided excellent summaries of how CO₂ is being put to use to increase the recovery of heavy oil from fields in southeast Saskatchewan and in the Lloydminster area respectively. Use of CO₂ for this purpose is the latest in a succession of recovery techniques used by companies to maximize recovery. CO₂ from the Boundary Dam capture facility will soon be used by

REGINA ROUNDTABLE SPEAKERS

Honourable Tim McMillan
Minister of Energy and Resources,
Government of Saskatchewan

Robert Watson
President and CEO
SaskPower

Dave Mudie
Senior Vice-President
Cenovus Energy

Ed Connolly
Senior Vice President, Heavy Oil
Husky Oil Operations Limited

Cenovus at the Weyburn field. Mr. Connolly reported on the successful field trials by Husky Oil Operations that have proven out the technology for reservoirs in the Lloydminster area.

In the Q and A session, participants inquired about: the evolution of oil recovery technologies; the economics and practicality of retrofitting existing plants versus design and construction of new plants with capture facilities; other sources of CO₂ in the province; and whether other capture technologies are being considered. A summary of the presentations and the Qs and As is being prepared, starting with the notes prepared by the two graduate students from the engineering department at the University of Regina.

We greatly appreciate the financial support and logistical assistance from SaskPower, the host sponsor for this event, and from the Canadian Association of Petroleum Producers, the supporting sponsor.

Montreal Breakfast Roundtable – May 15

The third breakfast roundtable in 2014 was held in Montreal on the theme *Convertir le secteur québécois des transports à l'électricité et au gaz naturel (Transforming Quebec's Transportation Sector using Electricity and Natural Gas)*. This event attracted 40+ representatives from the electricity and natural gas sector, plus leading-edge companies and consultants supporting the transformation, and a representative of the government of Quebec.

Marie-José Nadeau opened the event with a message from the World Energy Council, underlining the need to improve on the environmental performance of Canada's energy system by transforming the ways we generate and use energy. The content of this roundtable is an excellent example of how clean sources of energy can be put to use to help Quebec reduce emissions in its transportation sector. Mme Nadeau emphasized the importance of taking action now to encourage gender equity as we create the energy sector's workforce of the future.

Five presentations provided perspectives from electricity and natural gas supply companies, from a major user of natural gas fuel in the freight sector, from an innovative technology supplier, and from the environmental community. Chantal Guimont described how Hydro-Québec is encouraging and supporting the use of electric vehicles for personal transportation. Ms. Guimont illustrated a future configuration which features bi-directional interconnections between grid electricity, households and electric vehicles whereby electric vehicles are sources of both loads and electricity storage. The positive outlook for using natural gas in the freight sector was provided by Martin Imbleau representing Quebec's largest natural gas supplier, GazMetro. Louis Tremblay's company AddÉnergie provides charging devices for electric vehicles with significant growth potential in domestic and export markets. From the end-user's perspective, Yves Maurais described Transport Robert's "Blue Highway" program involving LNG freight trucks and a network of charging stations along the Quebec City to Windsor transportation corridor. The challenging goal and implications of converting the fleet of personal vehicles to electric drives were described by Marie-Claude Lemieux.

MONTREAL ROUNDTABLE SPEAKERS

Marie-José Nadeau
Chair, World Energy Council

Chantal Guimont
Strategic Planning and Electrification of
Transport, Hydro-Québec

Martin Imbleau
Vice President, Development and
Renewable Energies, GazMétro

Louis Tremblay
President, AddÉnergie

Yves Maurais
Technical Director, Transport Robert

Marie-Claude Lemieux
Director for Québec,
World Wildlife Federation

During the question and answer session, participants asked about the likely time frame for a high level of penetration of electric vehicles and the opportunities in foreign markets for technologies developed by innovative Quebec companies.

We appreciated the assistance of Ms. Maude Lemieux and M. Nicolas Chikhani, both young professionals working at Hydro-Québec. Their notes will form the basis of the event report which will be posted on the Energy Council website.

Many thanks to the sponsors of the Energy Council event. Hydro-Québec was the host sponsor and also made the two assistants available to support the event. Supporting sponsors were GazMétro and the Canadian Gas Association.

Upcoming Flagship Events in June

The highest profile events in the Energy Council's annual program are the **2014 Canadian Energy Summit and the World Energy Council North America Region Energy Forum**. These will be held back-to-back on June 24, 25 and 26 at the Hyatt Regency Hotel in Calgary. The launch of the events' program and registration package took place on May 13. Program details will be updated regularly on the Energy Council's website.

The Summit and Forum will be of immediate interest to anyone involved in the energy sectors in Canada and elsewhere in North America. We are very pleased with the excellent line up of featured speakers, session speakers and session moderators. Leading experts from Canada, the United States and Mexico will present their latest thinking and will be available during the events for more detailed dialogue.

We invite all Energy Council members and their colleagues in Canada, Mexico and the United States to join us in Calgary in June. A warm Canadian welcome awaits all participants.

Updated Energy Council Website

The Energy Council's Director of Operations, Brigitte Svarich, has completely overhauled the Council's website. Check out her report and give the new website a try at www.energy.ca



The Energy Council is pleased to announce the release of our new website, designed with a fresh new look and user-friendly navigation, updated with the latest information about our events and membership benefits. One of our main goals was to build a user-friendly and simple-to-navigate site. The updated site homepage will feature important event updates, World Energy Council news and recent reports and releases. The events pages will feature up to date programs and planning activities for our multiple events across the country. The membership section now includes our 2014 Membership Prospectus.

We will continue to build and refine the look and feel as we create archived content and further build up the visuals. In the meantime please do send us your high resolution company logo, high resolution photos of important projects you have in the works, and any events you are convening so we can add them to our pages!

We hope that you will enjoy browsing our new site, finding more options and information each time, and that it will be yet another tool for strengthening our membership.

Brigitte Svarich
Director of Operations
Energy Council of Canada

2014 Canadian Energy Person of the Year

The significant contributions made by selected energy leaders to the energy sector and also to their communities and society are recognized each year in the Energy Council's *Canadian Energy Person of the Year Award*. Nominations for this prestigious award have now closed. Stay tuned for an announcement about the date and venue for the gala award ceremony which will be held in the home city of this year's recipient.

Representing the Energy Council of Canada

The Canadian Solar Industries Association invited me to participate in the closing plenary session of their 2014 Solar Energy Ontario annual conference, held this year in Ottawa. *How can Canada remain an Energy Superpower in the Global Energy Transition?* was the plenary theme, with panellists from the University of Waterloo, MaRS Cleantech Fund, Solantro Semiconductor, the International Institute of Sustainable Development and BlueEarth Renewables. I talked about how a country's status as an energy superpower could be considered using the three dimensions developed by the World Energy Council for characterizing a clean energy future – energy security, energy equity, and environmental sustainability. Other panelists talked about the international influence which comes with superpower status, the need to get the conditions right to support diversification of Canada's energy systems without the need for subsidies or incentives, success stories about how innovative companies are leading the transformations to clean energy now, and, about how one jurisdiction can benefit from clean tech investments or incentives implemented by another jurisdiction.

We look forward to seeing you and many international energy friends in Calgary for the Summit and Forum on June 24, 25 and 26.

With best regards,

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