



This monthly report provides the highlights of the very successful 2015 Canadian Energy Person of the Year award ceremony and the Board of Directors meeting on November 25. Also included is an invitation to attend and participate in the World Energy Council's triennial World Energy Congress, and news about two recent WEC reports.

Highlights from the Canadian Energy Person of the Year Award Ceremony, November 25, Calgary

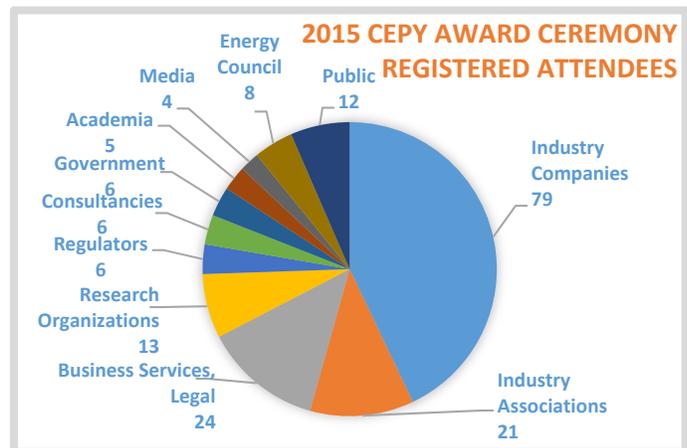
Leading-edge insights on how best to move forward to tackle current and emerging energy and environmental issues were presented by Canadian energy leaders during the Energy Council's 2015 Canadian Energy Person of the Year award ceremony on November 25 in Calgary. Mr. Michael Cleland received the 2015 award presented by Mr. Brent Gilmour, Executive Director, QUEST, on behalf of the ten co-nominators, and by Colin Andersen, Chair, Energy Council of Canada



Brent Gilmour, Michael Cleland, Colin Andersen

The Energy Council's annual award for energy leadership is given to outstanding leaders in the energy sector for their contributions to the energy sector and their equally-strong contributions to the energy community and society. Michael Cleland joins fifteen previous recipients since the annual award was launched by the Energy Council in 2001.

Close to 200 executives from across the energy sector attended the event. The evening's speeches were led off by The Honourable James Carr, Minister of Natural Resources Canada, in his first public address as Canada's energy minister, by The Honourable Margaret McCuaig-Boyd, Minister of Energy, Government of Alberta, Al Monaco, President and CEO, Enbridge Inc., Marie-José Nadeau, Chair, World Energy Council, and by the 2015 recipient, Mr. Mike Cleland.



The Honourable James Carr

Among the issues addressed by the speakers were the imperative to increase Canada's access to global oil and gas markets, responding to consumers' aspirations for both affordable energy and clean energy, seizing the dual opportunity of growing the energy sector and addressing environmental impacts in ways that are effective, cost efficient and equitable, and fostering a collaborative approach uniting the efforts of governments, industry and society.

Highlights – Meeting of the Energy Council Board of Directors, November 25, Calgary

The Board approved the *2016 – 2018 Strategic Plan* and the matching *Communication Plan*. The Board also approved the use of a portion of the Energy Council's financial reserves to implement actions under the Strategic Plan and Communication Plan and to provide additional support for outreach initiatives, and management of events and activities.

The Program Committee's proposed program of events and activities was also approved. 2016 will start with the second annual *Energy Industry: Updates and Insights* event on February 2 in Ottawa, followed by the Toronto Regional Event on the topic of energy infrastructure on March 7 and 8, and the Calgary Regional Event in early May. In the second half of 2016, the line-up is the 2016 World Energy Congress in Istanbul, a Halifax Regional Event in the Fall and the 2016 Canadian Energy Person of the Year award ceremony to close out the year. Details will be available on the Energy Council's website.

During the Annual General Meeting on November 25, the 2016 Executive Committee was approved. This committee provides leadership for the Energy Council:

- Colin Andersen, Chair
- Wayne Chodzicki, Past Chair, Chair, Canadian Energy Person of the Year Committee
- Élise Proulx, Chair, Communication Committee
- Andrew Stephens, Chair, Energy Policy Research Committee
- Bill Smith, Chair, Finance Committee, Treasurer
- Jane Allen, Chair, Membership Committee
- Bryan Kneller, Chair, Program Committee
- Andrew Pietrewicz, Chair, Studies Committee
- Graham Campbell, President
- Brigitte Svarich, Director of Operations, Secretary to the Board of Directors.

Many thanks to those stepping down from their leadership and for their excellent contributions to the Energy Council:

- Wayne Chodzicki, from the Membership Committee, and,
- John Muir, from the Program Committee.

Upcoming Energy Council Events – Early 2016

Two of the seven events planned for 2016 will occur in February and March.

2016 Canadian Energy Industry: Updates and Insights, February 2, Westin Hotel, Ottawa

2016 Energy Industry: Updates and Insights is designed to provide the latest information, trends and insights to the Ottawa audience. The inaugural *Updates and Insights* event in February 2014 attracted 151 participants from 102 separate organizations, including representatives from 30 countries.

This year, the focus will be on the supply components of Canada's energy system: on energy production and generation, transportation, transmission and distribution, energy storage, and issues related thereto. Each session will also look at the energy services sector and HR issues. The final session will examine the outcomes from the COP 21 conference in Paris and the implications for the Canadian energy sector. The 2015 Canadian Energy Person of the Year, Mr. Michael Cleland, will wrap up the discussions and provide insights on supply issues in the year ahead.

A reception from 5:00 PM to 7:00 PM will follow the afternoon program with attendees and Parliamentarians and their staff to meet and mingle with the attendees.

Energy Infrastructure and Implications, March 7 and 8, Allstream Centre, Toronto

Energy infrastructure provides the essential connection between sources of supply and the end consumer, however, Canada's energy infrastructure is aging and is not always suited to new ways of supplying and delivering energy.

This event will open with a keynote address on the evening of March 7 on an infrastructure issue. Sessions on the following day will address topics such as:

- The essential, but often overlooked, role of energy infrastructure in ensuring competitiveness, access to markets, and reasonable energy costs;
- The impacts of climate change and the outcomes from the COP21 in Paris on existing and new energy infrastructure;
- Determining the form and function of new energy infrastructure as a consequence of new energy technologies, energy storage, and real-time energy management through advanced IT systems become more prominent; and
- What's needed to finance energy infrastructure investment and ensure public acceptance of major energy projects.

Please note that the Board of Directors will be meeting on the afternoon of March 7 at the Allstream Centre.

2016 World Energy Congress, October 9 to 16, 2016, Istanbul, Turkey – Plan to get involved

I encourage you to consider attending and participating in the World Energy Council's *2016 World Energy Congress*¹. This triennial event is the premier international, multi-energy forum for energy executives to gain insights on energy issues and solutions from a global perspective. The 2016 theme is *Embracing New Frontiers*. The event will bring together more than 10,000 top world leaders in the field of energy, from industry, governments, and international organizations, as well as the media, universities and energy industry associations.

For Canadian energy executives, the WEC Energy Congress is an excellent opportunity for dialogue amongst their energy peers, global energy ministers, and leaders from business, finance and academia.

There are two ways to connect with this event. The first is by being part of the program². I have been in touch with the staff at the WEC Head Office who are designing the program, asking about themes or topic areas that they would like to see added to the program. They are looking for papers which profile strategic questions and innovation stories. Over 100 top energy leaders confirmed to address the Congress on critical issues affecting the energy sector. I enclose the latest flyer for your review.

At present, there is member of the Energy Council on the program, Mr. Éric Martel, President and Chief Executive Officer, Hydro-Québec. I hope that we will have additional Energy Council members on the program. The call for papers is now open, with the deadline of February 28, 2016 for submission of papers.

Second, I encourage you to consider attending this event. Registration details are available through the 23rd World Energy Congress link footnoted above.

Two Recent World Energy Council Reports

A recent WEC report will be of direct interest to those designing, operating, managing, regulating and financing all types of energy assets, entitled *The Road to Resilience – managing and financing extreme weather risks*³. Representatives of five Canadian organizations participated in the work.

The central theme behind this report is that *“new approaches are required for the management and financing of energy infrastructures as companies and governments seek to meet the challenges of increased extreme weather risks”*. The report

¹ 23rd World Energy Congress - <http://www.wec2016istanbul.org.tr/congress/>

² Provisional Program

http://www.worldenergy.ch/file/Weltenergiekongresse/Istanbul/EXT_Istanbul%202016%20Congress_flyer_150522.pdf

³ The Road to Resilience – Managing and Financing Extreme Weather Risks. <http://wec-italia.org/the-road-to-resilience-managing-and-financing-extreme-weather-risks/#1443530240426-b0221fb5-4e3b>

strongly recommends actions beyond simply protecting individual energy assets to a systematic overview of the energy value chain and a comprehensive and strategic approach to identifying vulnerabilities and managing the inherent risks. Risks to all energy sources and infrastructure are included: oil and gas production assets, oil and gas pipelines, transmission and distribution infrastructure, renewable energy sources, and thermal, hydropower and nuclear electricity generation. Chapters cover the emerging trends in the occurrence of extreme weather events and their impact on energy infrastructure, ways to increase resilience of energy systems, and financing and insurance arrangements.

The latest WEC report, the *2015 Energy Trilemma Index*⁴, ranks the energy systems of countries across the world by giving them an overall and individual score in three areas related to how they are balancing the three dimensions of the energy trilemma:

- energy security (a country's ability to meet its current and predicted energy demand),
- energy equity (the accessibility and affordability of energy across the population),
- and environmental sustainability (achievement of supply of renewable or low carbon forms of energy).

Each country's rankings are reported in four categories relative to 130 countries across the globe: overall ranking, and rankings under the three Trilemma categories. In general, the report's findings show that the highest-scoring nations tend to be developed countries with higher shares of energy coming from low- or zero-carbon energy sources supported by well-established energy efficiency programmes.

In the overall category, Canada continues to rank near the top of the list in the combined category, scoring 7th overall in 2015 compared to 6th in 2014. Compared to countries with similar resource-dependent economies, Canada scores well ahead of the United States (12th), Germany (13th), Australia (17th) and Mexico (48th).

Canada is ranked first amongst the 130 countries in energy security, due to Canada's rich endowment of energy resources in many forms. For energy equity, Canada ranks second.

The environmental sustainability category sees Canada ranked 71st, in the middle of the pack compared to other peer countries: UK (21st), Germany (44st), United States (95th), Mexico (99th), and Australia (110th).

In keeping with the Strategic Plan's goal to provide relevant information to policy makers, these reports and a briefing note describing the report's highlights and its relevance for Canada have been sent to Deputy Ministers across the country.

In closing, please mark your calendars with the two upcoming Energy Council events in the first months of 2016, and give some thought to attending the 2016 World Energy Congress later in the year.

With best regards,

Graham Campbell
President

⁴ 2015 Energy Trilemma Index: Benchmarking the sustainability of national energy systems
<http://www.worldenergy.org/data/trilemma-index/country/canada/2015/>