This monthly report announces the launch of the first series of articles on *Energy in Canada @ 150 and Beyond* by Canada’s energy leaders. This is one component of the Energy Council’s commemoration of Canada’s 150th anniversary of Confederation.

An update on our programming for the second half of 2017 announces five events to round out our cross-Canada program of events and activities, including an invitation to the World Energy Council’s 2017 Executive Assembly. Please note the dates below in your calendars.

A workshop has been organized to bring energy services associations together from Canada and the United States on August 10 in Washington, DC. The goal is to develop an action plan to inform US policymakers about the mutually-beneficial cross-border relationships in the energy services sector and the potential impacts of the various policy initiatives currently being discussed.

**Articles by Canada’s Energy Leaders – Commemorating Canada’s 150th Anniversary**

One of the ways that the Energy Council is commemorating Canada’s 150th anniversary of Confederation is through a series of articles written by energy leaders across Canada on topics of their choice, a project we are calling *Energy in Canada @150 and Beyond*.

I am very pleased to report that the first batch of articles was posted just prior to Canada Day:

1. Foreword
   - Graham Campbell
   - Robert Skinner
3. New Energy Future for Canada?
   - Michael Cleland
4. Wind Energy Coming of Age
   - Rob Hornung
5. Five Possibilities for Energy Technology
   - John Barrett, John Stewart

The **Foreword** describes the 150th project and makes the point that Canada’s energy outlook is positive. Many promising directions are apparent: in clean technology, evolving market practices, finding a prudent balance between energy impacts and the environment, and furthering energy’s important role as a contributor to Canada’s regional development and growth. Several aspects which will have a major impact on Canada’s energy future are identified, ranging from the increasing role of consumers, communities and Canada’s First Nations in energy matters, the global trend to decarbonization of energy systems, opportunities for technological breakthroughs, and the evolution of corporate strategies.

Bob Skinner’s article on **A National Energy Strategy: The Holy Grail of Canadian Public Policy** traces the successive series of energy policy initiatives, starting with the 1842 launch of an assessment of the country’s mineral and resource potential, to more recent environmental and energy strategy initiatives. Two immutable realities strongly influence the evolution of energy policy-making – the widely-varied nature of Canada’s resources and geography, and the constitutional and legal provisions which define the role of governments and the rights of Canada’s First Nations.

In **A New Energy Future for Canada**? Michael Cleland reflects on whether Canada has an energy decision system that reflects today’s realities and that is capable of dealing with tomorrow’s challenges, given the
complex interplay of policy, planning, regulation and a growing cast of active participants from federal, provincial and territorial governments, to indigenous and municipal governments, to a wide range of private stakeholders. He opines that the growing list of controversies and confrontations associated with decisions on major energy projects indicates that Canada has some work to do.

A pair of articles examine the prospects for two important components of Canada’s electricity generation portfolio.

Rob Hornung, in his article entitled *Wind Energy’s Coming of Age*, sees the world resolutely moving towards a low-carbon future. Canada, with its huge quantity of high-quality clean energy reserves, has a unique opportunity to lead the transition. After briefly pointing out highlights of wind energy developments in Canada and rapidly-growing global investments in wind energy, he points out that a recent strategy document found no operational barriers were identified associated with the goal of 35% wind generation provided transmission capacity was made available.

John Barrett and John Stewart share their thoughts on *Five Possibilities for Energy Technology* arising from Canada’s nuclear sector and how they could unfold in the medium-to-long term. Starting with what they see as the most likely, they profile recycling of nuclear fuel, advances in small and/or advanced nuclear reactors, district energy systems driven by nuclear energy, fusion energy, and widespread penetration of electric vehicles.

Many thanks to the energy leaders who have shared their insights on energy in Canada.

I encourage you to check them out at [www.energy.ca](http://www.energy.ca). We welcome your feedback.

The next group of articles will be posted in mid-September.

### What’s Planned for the Second Half of 2017

We have organized five events for the second half of 2017.

First up is the **North America Region Energy Forum** with the timely theme Regional Collaboration on Climate, Clean Energies and Environmental Issues.

Four topics will be pursued in panel sessions:
- Medium and Long-Term Energy Scenarios for North America;
- Regional Collaboration on Climate, Clean Energies, and Environmental Issues;
- Sustainable Energy Management in Municipal Water Supply;
- What Can Energy Scenarios Tell Us About Global and Domestic Energy Futures?

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<td>North America Region Energy Forum (Canada, Mexico, United States)</td>
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<td>2017 CORE Energy Conference Energy Council Session</td>
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<td>World Energy Council Executive Assembly and Sessions</td>
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<td>Energy Panel Breakfast Co-Partnered with the Toronto Global Forum of the International Economic Forum of the Americas</td>
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<td>Members’ Roundtable</td>
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<td>2017 Canadian Energy Person of the Year Award Ceremony</td>
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<td>Regional Collaboration on Climate, Clean Energies, and Environmental Issues</td>
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<td>Sustainable Energy Management in Municipal Water Supply</td>
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<td>Insights from WEC’s Global Energy Scenarios and Ontario’s Long-Term Energy Plan</td>
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<td>Celebration for the 2017 recipient, Al Monaco, President and CEO, Enbridge Inc.</td>
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<td>Mexico City EXPO Santa Fe September 12</td>
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• Technologies for GHG Reduction;
• Climate Change Policies; and
• Energy Trade within North America.

Bob Hanf, Executive Vice President, Stakeholder Relations and Regulatory Affairs, Emera Inc., and North America Region Vice Chair, World Energy Council will open and close the event.

Confirmed speakers include Canadians
• Christyne Tremblay, Deputy Minister, Natural Resources Canada;
• Colin Andersen, Chair, Energy Council of Canada;
• Siegfried Kiefer, Chief Strategy Officer, ATCO Ltd. & Canadian Utilities Limited, President, Canadian Utilities Limited; and,
• Tom Scarinci, Global R&D Leadership, Siemens Power and Gas Division,

together with
• Ged Davis, Executive Chair, World Energy Council Studies Group;
• Adam Sieminski, Centre for Strategic and International Studies, formerly Administrator, US Energy Information Administration;
• Francisco Barnes, past Deputy Secretary for Planning, Energy Secretariat and past Commissioner of the Energy Regulatory Commission;
• Mike Howard, President, Electric Power Research Institute; and,
• Edgar Ubbelohde, past Chairman of the Board (1993-1995) of the Mexican Chamber of Electrical Manufacturers.

Following the Forum, the World Energy Council will host the World Energy Leader Summit (WELS) on September 13. Further details will be available soon on the WELS program.

An invitation to all members of the Energy Council of Canada and those in our energy community will be sent out shortly, along with the final details of the Forum program.

Looking ahead, please note the following events and dates in your Fall calendars ...
• Energy Council Session at the 2017 CORE Energy Conference Halifax, October 4
• Energy Panel Breakfast Toronto, October 31
• Members’ Roundtable Toronto, November 1
• 2017 Canadian Energy Person of the Year Award Ceremony Toronto, November 16

World Energy Council’s 2017 Executive Assembly, October 16 – 19, Lisbon, Portugal

The World Energy Council organizes an Executive Assembly and associated meetings each year hosted by a member country. The 2017 Executive Assembly will be hosted by Portugal at the EPIC Sana Hotel in Lisbon.
Flanking the Executive Assembly are a series of meetings, starting with the *WEC Secretaries Day* on the morning of October 16, where I will be making a presentation on our activities, and sessions during the week closing with the Energy Trilemma Summit on October 19.

![2017 World Energy Council Executive Assembly - Draft Schedule](image)

All members of Energy Council of Canada are invited to participate. The invitation from Christoph Frei, Secretary General and CEO of the World Energy Council, together with the EA agenda, is available from the Ottawa Office.

**Meeting of United States’ and Canadian Energy Services Industry Associations**

I have been working with the Petroleum Services Association of Canada and Barry Worthington, Executive Director, United States Energy Association, to organize a workshop in Washington, DC on August 10.

The purposes of the workshop are to develop a strategy for informing the US Administration of the mutually-beneficial cross-border business relationships that exist between the energy services industries and the potential impact on the energy services sector from such things as BAT, Buy America, NAFTA changes, etc. We hope that the US energy services associations will be able to influence the Administration about the benefits arising from the status quo and the potential impacts of emerging policy initiatives.
The workshop will bring together industry associations working in the energy services sector from Canada and the US. Three Canadian energy services associations will be participating, each of which is a member of the Energy Council:

- The Petroleum Services Association of Canada;
- The Canadian Association of Drilling Contractors; and,
- The Canadian Association of Geophysical Contractors.

The Canadian Association of Petroleum Producers sees good value in the workshop from the perspective of the producers. The Canadian Energy Pipeline Association will be invited to participate as well.

The draft workshop program starts with an opening presentation on the latest US policy developments, followed by remarks from the heads of energy services associations, and then a facilitated discussion to develop an action plan.

As soon as the program has been finalized, invitations will be sent out to all Energy Council Members including each of our industry association members.

**Outreach on Behalf of the Energy Council – Colin Andersen, Graham Campbell**

On June 12 – 15, Colin Andersen represented the Energy Council at the 2017 *Conférence de Montréal*, organized by the International Economic Forum of the Americas (IEFA). This year’s theme was *A New World: Managing Change*.

Colin attended the Ontario Energy Network’s Networking Luncheon on June 16 to hear Jim Sanders, President, Enbridge Gas Distribution Inc. In addition to thanking Mr. Sanders, Colin referred the attendees to our upcoming events during the second half of 2017.

I had two opportunities to speak in June on behalf of the Energy Council.

For the *Energy Leaders Forum*, a conference program within the annual *Global Petroleum Show* in Calgary, I provided an opening presentation for the panel session on the theme *Oil and Gas and Beyond: Vision for Addressing the World’s Energy Needs in 2030*. My presentation covered the four sub-themes – diversification, uncertainty, innovation, and collaboration – which were illustrated by recent World Energy Council reports. The panelists were from three continents – Iran, Ukraine, Kenya, and Canada. Each brought their national perspectives on energy issues and opportunities to the discussion.

At the *Mid-Year Meeting* of the Alberta Chamber of Resources, I shared the program with David Wilkins, former US Ambassador to Canada, and Peter Tertzakian, Chief Energy Economist and Managing Director at ARC Financial Corporation.

David Wilkinson, the former US Ambassador to Canada, walked through the many energy issues in play between Canada and the United States.

Peter Tertzakian provided an excellent overview of energy supply and demand trends in Alberta and globally, including his belief that the oil supply bubble and the current level of oil and gas prices will continue for the foreseeable future. He then made the point strongly that in order to survive companies
must be innovative, cost effective, and make use of the latest technologies and be aggressive and not risk averse. He left the audience with this as a challenge for survival of the Canadian energy sector.

My presentation looked at the electricity sector, covering four areas – scenarios depicting the impact of climate policy on the electricity sector, the highlights of recent policy actions in three provinces, a re-cap of the panel discussions during our Regina event, and a picture of how three regional electricity grids are developing in Canada.

Copies of Peter Tertzakian’s presentation and my two presentations are available through the Ottawa office.

With best wishes for a great summer,

Graham Campbell
President,
Energy Council of Canada