



Fourth Annual National Energy Roundtable Conference

Tuesday, June 19th

The Design Exchange, 234 Bay Street, Toronto

- MC **tbc**
- 8:00 am Registration opens. Light breakfast served
- 8:30 am Welcome by **Monica Rovers**, Head of Energy, Toronto Stock Exchange
- 8:35 am **Minister discussion led by Tom Clark**, Vice Chair, Global Public Affairs
- 9:15 am **Session I: The modern utility**
- 20% of Canada's energy needs are powered by electricity and complex work is ongoing with rate-focused regulators to spur innovation and growth. However, organic expansion can be challenging and larger utilities are seeking growth by swallowing up smaller companies outside their home regions. In so doing, utilities can gain a competitive edge through M&A but will have to convince regulators that the transactions will produce meaningful efficiencies and synergies that deliver benefits for ratepayers and investors, while improving transmission and distribution networks. The panel will explore key trends and developments underlying the electric and natural gas utility sectors, including drivers of M&A activity (and insights into what recent deals reveal about the future of the sector), transition and integration planning, helping to meet climate targets, supporting shifts in types of transport and in the development remote regions and cross border energy trade.
- **Brian Bentz**, President & CEO, Alectra Utilities
 - **Dr. Terry Harvill**, President, ITC Grid Development LLP
 - **Cynthia Hansen**, Executive Vice President, Utilities and Power Operations, Enbridge
- Session chair: tbc
- 10:00 am **Dawn Farrell**, President & CEO, TransAlta
- 10:25 am Networking break
- 10:50 am **Session II: The innovation dividend: Disruption in the power and utilities sectors**
- We live in an age of disruption where new technology and behavioral shifts are transforming the way we live. The increasing evolution and integration of high tech solutions is creating rapidly growing markets for new products, including energy storage, advanced buildings/cities and smart grids. Digital technologies are making energy systems more intelligent, triggering new business models and regulatory frameworks. Data collection and exchange are growing exponentially and competition for customers is shifting to the online channel where the Internet of Things promises new product and management options. Panelists will discuss the implications of technical advances and the new business models and policy frameworks needed to contribute to a lasting transformation of the energy sector.
- **Jan Teichmann**, Vice President, Global Markets, Fluence
 - **Maureen Daschuk**, Senior Vice President, Integration, BC Hydro
 - **Tony O'Hara**, Chief Technology Officer and Vice President, Engineering, NB Power
 - **Terry Young**, VP, Policy, Engagement & Innovation, Independent Electric System Operator
- Session chair: tbc

11:40 am

Session III: Blockchain could change everything for energy

Historically, we've had a pretty one-sided relationship with energy. We use energy from the grid, we pay the bill, and the cycle continues. With the application of Blockchain, the energy we use may soon be much cleaner and more diverse. Blockchain, an immutable distributed ledger that verifies and records transactions without a central authority, promises more efficient transactions with lower costs based on its ease of identity verification. When applied to the energy sector, Blockchain can enable distributed systems where people trade energy among themselves, seamlessly connecting producers with investors who are willing to pay upfront for the right to consume energy. Is the era of the large-scale power plants slowly be coming to an end and in its place a new network of smarter and cleaner energy systems? Hear from the people who are putting these fascinating technological developments into practice

- **Interac** – speaker tbc
- Speakers tbc

Session chair: **IBM**

12:30 pm

Luncheon and fireside chat with **Margaret Kenequanash**, Chief Executive Officer, Wataynikaneyap Power LP and **Gary Smith**, Executive Vice President, Eastern Canadian and Caribbean Operations, Fortis

1:45 pm

Jeffrey Lyash, President & CEO, Ontario Power Generation

2:10 pm

Session IV: The impact of electric vehicles

Electric vehicles are coming to Canadian cities sooner than you think. And their adoption will have massive implications for our local power and utility companies. Demand patterns will change; distribution models will shift; new commercial opportunities have been created. Are municipal power and utility companies ready for the massive change that is about to come? Are investors aware of the commercial opportunities that will be available? And are policy makers and infrastructure planners making the right choices today in order to protect our power capabilities in the future? In this session, we will explore the challenges and opportunities that the adoption of EVs will create for Canadian cities.

- Speaker tbc
- Speaker tbc

Session chair: **KPMG**

2:50 pm

Networking break

3:15 pm

Session V: Consumer driven energy systems

The electricity sector lags the progress that other sectors have made in customer engagement and the everyday use of advanced analytics to generate value from data. But change is coming quickly, and it's clear that the sector will look dramatically different in a decade or so. As utilities pursue these opportunities, the effects are already being felt by retail customers, including mobile applications for bill notification, presentment, and payment, as well as for outage management. Applications are also extending into smart homes and connected buildings and the grid is evolving from one designed for unidirectional flows of electricity to the consumer to one that also integrates intermittent generation from the consumer. Gaining an understanding of consumer adoption of new technologies is essential as these and other distributed energy resources introduce increased variability in the supply and demand relationship for energy. The panel will explore how to unlock technological benefits and encourage investment and innovation in areas that will forever change the way consumers use energy.

- **Dennis Fotinos**, Principal, Noventa Energy Partners
- Speakers tbc

Session chair: tbc

4:00 pm

Close by **Jason Langrish**, President, The Energy Roundtable