



## What Can Energy Scenarios Tell Us About Global and Domestic Energy Futures?

### Energy Panel Breakfast

Hosted by the Energy Council of Canada In Partnership with the Toronto Global Forum  
7:00 AM to 8:45 AM, October 31, Fairmont Royal York, Toronto

The transformation to a clean, low-carbon economy is happening now, driven by aggressive global agreements which aim to limit the atmospheric temperature increase to 2° C and domestic policy initiatives which aim to reduce GHG emissions and diversify local economies. But while the policy directions are clear, the future trajectories for important segments of the energy economy are unknown. What will be the trends in the supply and demand for electricity and energy commodities over the next decades, what are the projected reductions in emissions, what is the outlook for penetration of new renewables, the impact of energy efficiency initiatives, and deployment of new end-use technologies?

#### Energy Scenarios – Global and Province of Ontario

Energy scenarios are used to shine light on future energy trajectories in response to climate policy actions.

The World Energy Council 2016 Energy Scenarios analyzes energy futures under three scenarios. Each is based on differing degrees of policy prescriptiveness, ranging from strong government climate policies (*Unfinished Symphony*), market-driven evolution (*Modern Jazz*), and a chaotic, isolationist evolutionary pathway (*Hard Rock*).

The government of Ontario's *Long-Term Energy Plan (LTEP)* depicts the possible trajectories to 2050 for its electricity sector. The LTEP is currently being updated to envisage the impact of the province's Climate Change Action Plan. As described by the Ontario Ministry of Energy: *To combat climate change, Ontario released a five-year Climate Change Action Plan. It outlines the approaches the government will take to reduce carbon emissions in the province. ... It also proposes to use conservation, energy efficiency and fuel switching to reduce the use of fossil fuels such as oil, gasoline and natural gas and increase the use of clean electricity and clean fuels.*

*The Climate Change Action Plan* will play a key role in the development of the 2017 LTEP, as it intends to share many of the same goals.<sup>1</sup> Release of the *2017 Long-Term Energy Plan* is expected in mid-2017.

#### Energy Panel Breakfast – 7:30 AM to 8:45 AM, October 31, Ballroom, Fairmont Royal York, Toronto

The Energy Council of Canada will host an energy panel breakfast on October 31, on the theme ***What Can Energy Scenarios Tell Us About Global and Domestic Energy Futures?*** This will be the opening event for Energy Day at the Toronto Global Forum.

Scenarios depicting trajectories for global energy trends in response to three climate models will be presented. The global picture will be compared to the

The *Toronto Global Forum* is an international conference fostering dialogue on national and global issues. It is held under the auspices of the *International Economic Forum of the Americas (IEFA)*. The IEFA organizes annual summits bringing together heads of states, central bank governors, ministers and global economic decision makers.

<sup>1</sup> <http://www.energy.gov.on.ca/en/ltep/2017-discussion-guide/#LTEP2017>

scenarios developed for the Province of Ontario to depict the impact of the policy provisions of the *Ontario Climate Change Action Plan*. The implications for both provincial and municipal jurisdictions will be discussed.

Introduction: **Colin Andersen**, Chair, Energy Council of Canada

Guest Speaker: **Dr. Christoph Frei**, Secretary-General and Chief Executive, World Energy Council

Panelists: **Dr. Christoph Frei**, Secretary-General & Chief Executive, World Energy Council

**Peter Gregg**, Chief Executive Officer, Ontario Independent Electricity System Operator

**Anthony Haines**, President and Chief Executive Officer, Toronto Hydro

Moderator: **Graham Campbell**, President, Energy Council of Canada

We look forward to your participation in the Energy Panel Breakfast.

Click [HERE](#) to register.

For further information, contact Max Arsenault at [max.arsenault@energy.ca](mailto:max.arsenault@energy.ca) or 613 232 8239.

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