



ASIA PACIFIC  
FOUNDATION  
OF CANADA

FONDATION  
ASIE PACIFIQUE  
DU CANADA

## MAXIMIZING CANADA'S NUCLEAR ENERGY OPPORTUNITY *in* ASIA WORKSHOP

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DECEMBER 2, 2015 | AGENDA

**Venue:** Blake, Cassels & Graydon LLP  
Commerce Court West  
199 Bay Street, Suite 4000  
Toronto

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## INTRODUCTION

The nuclear energy industry is at a crossroads as demand for nuclear energy shifts from West to East. Due to flat energy demand growth, strained public budgets and social licence challenges, many countries in North America and Europe are re-evaluating the role of nuclear in their energy plans.

Canada is no exception. All but one of the country's 19 operating reactors are located in the province of Ontario and they collectively produce 60 per cent of Ontario's energy. While the Government of Ontario has committed to nuclear energy by authorizing the refurbishment of two of the province's large nuclear power facilities, it has delayed construction of new nuclear reactors, perhaps indefinitely.

By contrast, nuclear energy generating capacity is increasing rapidly in Asia. Of the nuclear reactors under construction worldwide, more than half are in Asia. The region is also enhancing its position as a world leader in the development and export of nuclear energy technology and services.

The growing use of nuclear power in Asia is creating new opportunities for Canada in the areas of uranium and nuclear energy technology and services sales, research partnerships and regulatory lessons-sharing. As a result, APF Canada is bringing together key stakeholders to address how Canadian industry, government and research institutions can individually and collectively maximize these unfolding opportunities. This workshop and the resulting recommendation document will communicate to government and the wider Canadian business and Asia-expert communities the importance of Canada's nuclear energy sector to our economic and political relationships with Asia.

The workshop will address the following questions:

- What are the most promising opportunities for Canada-Asia co-operation in the areas of nuclear energy technology and services, nuclear safety and the building of "social licence" for nuclear energy?
- What are the major barriers to achieving these opportunities? What are some strategies for overcoming these barriers?
- What are the key messages that need to be communicated within the Canadian nuclear energy industry, to government at the provincial and federal levels, and to the public about Canada's nuclear energy opportunity in Asia?

Following panellist remarks, we will invite all attendees to share their views on these and panel-specific questions.

# AGENDA

## **8:00–8:30 am**

### **Registration**

## **8:30 am–9:00 am**

### **Opening Remarks**

- Stewart Beck, *President & CEO, Asia Pacific Foundation of Canada*
- Chris Flood, *Counsel, Blake, Cassels & Graydon LLP*
- The Honourable Reza Moridi, *Ontario Minister of Training, Colleges and Universities; Minister of Research and Innovation*

## **9:00 am–10:30 am**

### **PANEL ONE | REALIZING THE FULL POTENTIAL OF CANADA-INDIA CIVIL NUCLEAR CO-OPERATION**

The Government of India has long supported nuclear power as a means of addressing India's growing energy needs. India currently has 21 operating nuclear reactors, most of which are pressurized heavy water reactors (PHWRs) derived from Canadian technology. According to the World Nuclear Association, six reactors are under construction and more than 20 are planned.

In 2013, Canada and India ended 40 years of inactivity on nuclear energy co-operation with the implementation of the Canada-India Nuclear Co-operation Agreement. While the agreement has resulted in some concrete outcomes over the last two years, many opportunities have yet to be realized. Our panel of experts from Canada, India and the U.S. will address how Canada and India can accelerate nuclear energy co-operation for the maximum benefit of both countries.

### **Panellists**

- Stewart Beck, *President & CEO, Asia Pacific Foundation of Canada (Moderator)*
- Dale Austin, *Manager, Government Relations, Cameco Corporation*
- M.V. Kotwal, *Former Member of the Board and Former President, Heavy Engineering, Larsen & Toubro*
- Ron Oberth, *President, Organization of Canadian Nuclear Industries*
- Vijay Sazawal, *Principal, International Atomic Energy Consulting*

## **10:30 am–10:45 am**

### **Break**

## PANEL ONE: REALIZING THE FULL POTENTIAL OF CANADA-INDIA CIVIL NUCLEAR CO-OPERATION



**DALE AUSTIN** | *Manager, Government Relations, Cameco Corporation*

Dale Austin has spent the majority of his career gaining experience on energy and environment related topics, starting in the federal civil service where he provided strategic advice on energy, climate and nuclear safety policy at both Natural Resources Canada and the Canadian Nuclear Safety Commission. Prior to joining Cameco, Mr. Austin worked for ConocoPhillips Canada and was co-founder of Tessellate Inc., a management consulting firm that focused on the application of innovation ecosystems to challenges facing Canada's natural resource sectors.



**STEWART BECK** | *President & CEO, Asia Pacific Foundation of Canada*

Prior to joining APF Canada, Stewart Beck served as the Canadian High Commissioner to the Republic of India with concurrent accreditation to the Kingdom of Bhutan and to Nepal. The administrative arrangements for the Canada-India Nuclear Cooperation Agreement were finalized during his term in India. Mr. Beck has served abroad in the United States, Taiwan, and the People's Republic of China. In Ottawa, he held a number of positions, including director general of the North Asia Bureau.



**M.V. KOTWAL** | *Former Member of the Board and Former President, Heavy Engineering, Larsen & Toubro*

M.V. Kotwal retired from his position as board member for Larsen & Toubro in August 2015. Prior to this role, he served as President, Heavy Engineering, playing a leadership role in the manufacture of critical equipment and systems for various core strategic sectors such as nuclear power, space research and defence, as well as refineries, petrochemicals and fertilizers for both domestic and international markets.



**RON OBERTH** | *President, Organization of Canadian Nuclear Industries (OCI)*

Ron Oberth has served the Canadian nuclear industry for more than 30 years in increasingly senior positions at Ontario Hydro, Ontario Hydro International, Ontario Power Generation and AECL before joining OCI. His experience spans nuclear reactor safety, generation planning, used fuel management, nuclear isotope marketing and sales, IP management, and the domestic and international marketing of the CANDU reactor. Dr. Oberth is a graduate of the University of Manitoba, Princeton University and the University of Toronto's Rotman School of Management.



**VIJAY SAZAWAL** | *Principal, International Atomic Energy Consulting (IAEC)*

Vijay Sazawal has 40 years of professional experience in the nuclear industry. Prior to founding IAEC, Dr. Sazawal served as Director, Government Programs at Centrus Energy Corporation (formerly USEC Inc.) and as Vice-President of Engineering and Technology at COGEMA Inc. (now Areva Inc.). He was a subject matter expert on the U.S.-India civil nuclear agreement for the U.S.-India Business Council (USIBC), and served for two terms on the Civil Nuclear Trade Advisory Committee (CINTAC) of the U.S. Department of Commerce. Dr. Sazawal holds a Ph.D. in Structural Mechanics from the Michigan Technological University.