



Nuclear Industry Seminar 2008

Going the Distance

Nuclear Energy in the New Age

February 27 – 29, 2008 • Westin Hotel, Ottawa, Ontario



Canadian Nuclear Association

P R O G R A M

Going the Distance

WHO SHOULD ATTEND?

- Members of Parliament and their staff
- Government officials
- Nuclear industry personnel
- Professional associations
- Energy sector companies
- Electricity users
- Environmental organizations
- Media representatives
- Educators
- Students

ABOUT THE SEMINAR

The CNA's Annual Seminar is the principal forum where Canadian industry leaders can meet with elected and government officials to highlight developments, achievements and future directions of the nuclear sector in Canada.

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Nuclear Energy in the New Age

CNA

Tuesday, February 26, 2008

PRE-CNA SEMINAR EVENT — WOMEN IN NUCLEAR (WiN)

08:30 – 17:30 **Women in Nuclear Technical Tour**
Atomic Energy of Canada Limited, Chalk River, Ontario
Limit: 25 participants, WiN members only Pickup location: Westin Ottawa

Wednesday, February 27, 2008

08:30 – 17:00 **Women in Nuclear Meeting**
Celebrating Excellence For full WiN program, visit www.cna.ca

WiN registration and all sessions take place at the Ottawa Congress Centre. WiN sessions are free of charge and open to all CNA Seminar delegates.

CANADIAN NUCLEAR ASSOCIATION (CNA) SEMINAR

12:00 – 20:30 Registration
15:00 – 20:30 Opening of the CNA Exhibitor Area
18:30 – 20:30 **Welcome Reception**



The Honourable Gary Lunn
Minister, Natural Resources Canada

CNA Seminar 2008
registration and all sessions and events take place on the 4th floor of the Westin Ottawa Hotel.

Thursday, February 28, 2008

08:30 – 08:45 **Introductory Remarks**
Pierre Charlebois
Chairman, Canadian Nuclear Association, and
Executive Vice President and COO, Ontario Power Generation





08:50 – 09:50

Our Changing Planet: A Growing Role for Nuclear Among Energy Resources



Dr. Marc Garneau

Former President, Canadian Space Agency and Astronaut

We humans are changing our planet. I have seen this first hand from space. Ultimately, it will affect every single country on earth.

Bearing in mind that the world will not settle for less energy, we have choices to make: learn to adapt, prevent greenhouse gases from escaping into the atmosphere or make greater use of clean energy.

Nuclear energy is one of the important clean energy options. It can play a crucial role in helping Canada achieve environmental objectives in a safe manner over the coming decades. It needs to be critically re-assessed.

10:00 – 10:50

World Energy: The Past and Possible Futures 2007



Marwan Masri

President and CEO, Canadian Energy Research Institute

Energy is integral to economic activity and to enhanced standards of living for the human population of planet Earth. Historically, sources of energy have adapted to the needs of the age, depending on the level of technological development at the time. As society moves further into the 21st century, an emerging need will be to address specific environmental and economic issues that condition the collective use of energy. Marwan Masri, President and CEO of the Canadian Energy Research Institute will discuss the historical context of energy and the complexities that surround future energy use and supply options. Major themes include: Historical Energy Consumption and Supply, Energy and the Environment, and North American Energy Outlook and Issues.

10:50 – 11:15

Coffee Break

11:15 – 12:00

The Transmitter's Challenge



Laura Formusa

President and CEO, Hydro One Inc.

As stewards of Ontario's massive and complex electricity transmission system, Hydro One is charged with the task of ensuring Ontario consumers have reliable, safe, secure and sustainable access to electricity. The company has recently embarked on its largest-scale period of infrastructure renewal in more than two decades. It is investing in improving the use of existing infrastructure, relieving internal congestion points and delivering new clean generation, including nuclear. Hydro One President and CEO, Laura Formusa explains that ensuring transmission is there when it is needed requires meaningful and established relationships with Ontario communities and First Nations – and not just when it comes time to build something. It also requires working collaboratively and cooperatively with the industry and regulators at every stage of a project to ensure projects are in place when they are needed.

12:15 – 14:15

Luncheon***The Greening of Nuclear Power*****Stewart Brand**Environmentalist, author of *The Whole Earth Catalogue*

As a lifelong environmentalist, I have made a 180-degree shift on nuclear power, from anti-nuclear to pro-nuclear. The main reason is the looming climate-change environmental catastrophe. To my eye, a mature technology that provides major baseload power carbon-free is greatly worth expanding. In footprint terms, nuclear waste is small and manageable compared to fossil fuel waste. The megatonnes of carbon dioxide released into everybody's atmosphere by coal-fired plants cannot be retrieved or controlled, and their effects have yet to be accurately modelled. That's why a growing number of prominent environmentalists are speaking up for nuclear.

14:30 – 15:30

Life in a Carbon Constrained World and What it Means to Canada**Robert Reinstein**

President, Reinstein & Associates International Inc.

Bob will present a general background on the climate change issue and international negotiating process, some comments on the most recent Intergovernmental Panel on Climate Change (IPCC) assessment report, and analysis of the greenhouse gas emission trends and outlook for key countries and groups. He will also provide some recommendations for an approach to negotiating future commitments that could take into account the large differences in national circumstances and their effects on emission trends and outlooks, in particular how Canada might be affected under other proposed approaches, such as cap-and-trade.

15:30 – 16:00

Coffee Break

16:00 – 16:50

Staying Ahead of the Curve — What Canadians Think About Nuclear?**John Wright**

Senior Vice President, Ipsos-Reid

It was just three years ago that support for nuclear power in Canada was at its lowest level in recent memory. By February 2005, the price of a barrel of oil had risen from \$30.13 in 2003 to \$42.91. In October 2007, it cracked the \$90 level. And the environment, as an issue, was at 9% in the polls compared to 40% in January 2007. A lot has changed in three years. Indeed, the reputation of the industry has been rehabilitated and repositioned. Nuclear power is now viewed by many as a necessary, abundant and independent supply of energy for the future. And it's viewed as a contributing solution to the problem of greenhouse gases.

But that's yesterday's news. It's not the future. And if government promises are to be converted into action, the key will be not simply to sustain public support but to ensure that public opinion momentum continues. What's the mood out there among the public to get on with things? What are the hot buttons for this hot topic?

17:00 – 19:00

Exhibition Reception



Friday, February 29, 2008

08:00 – 09:20 **Breakfast**

Hot Air: Meeting Canada's Climate Change Challenge

Jeffrey Simpson

Columnist, *The Globe and Mail*



Canada has one of the worst records for reducing greenhouse gas emissions among the major industrialized countries. We have led the world in plans; we have trailed the world in action. The time for more talk is over; the time for real action is now. Among the options that Canadians must seriously consider is the nuclear one in a carbon-reduction world, but there are also serious questions the public wants answered from the nuclear industry before this option moves forward. Unless the industry can answer those questions convincingly, and unless the Canadian nuclear industry can demonstrate advantages against foreign nuclear industries, the Canadian nuclear industry is going to be the bridesmaid rather than the bride.

09:30 – 10:15 *Nuclear Fuel Supply into the Future and The Global Nuclear Energy Partnership*

Ken Seitz

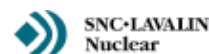
Vice President, Corporate Development & Power Generation, Cameco Corporation



Nuclear energy is an important source of energy. The main reasons for the rise in nuclear energy are the low cost of fuel compared to other primary sources of energy, the abundance of uranium resources in politically stable regions and the recognition that nuclear is a clean source of energy. Canada is the world's largest producer of natural uranium, providing more than a quarter of total world production from its Saskatchewan mines. Rising uranium prices have fuelled a dramatic increase in exploration for uranium in Canada and around the world to meet anticipated future demand. This session will review global supply of uranium and explore the opportunities for Canada, in light of a growing nuclear industry and Canada's recently announced participation in the Global Nuclear Energy Partnership.



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10:15 – 11:30

Advances in Social Aspects of Nuclear Waste Management

MODERATOR

Ken Nash

President and CEO, Nuclear Waste Management Organization

PANELISTS

Tom Isaacs

Director, Office of Policy, Planning and Special Studies, Lawrence Livermore National Laboratory, California

Dr. Claudio Pescatore

Deputy Head, Radioactive Waste and Radiation Protection Division, Organisation for Economic Co-operation and Development (OECD) / Nuclear Energy Agency (NEA)

Kathryn Shaver

Vice President, Corporate Affairs & Corporate Secretary, Nuclear Waste Management Organization

There are currently no operating geological repositories in the world for the long-term management of high-level radioactive waste, including used nuclear fuel. For 50 years essentially all nuclear countries have advocated long-term management in a deep, stable geologic formation to keep the waste isolated from humans and the environment for the many thousands of years it will remain a hazard. Many programs have run into difficulties, both technical and social, and have had to stop, start over, or radically change their approach. Others have had more success. Much has been learned in recent decades about what is necessary to maximize chances for success. This panel provides an overview of international nuclear waste management programs from both the technical and social perspectives, and describes Canada's recently selected plan for an Adaptive Phased Management approach.

11:30 – 11:45

Coffee Break

11:45 – 12:30

Shaping Ontario's Nuclear Generating Future

Peter Wallace

Deputy Minister, Ontario Ministry of Energy

Ontario is moving to a new paradigm in planning its long-term energy strategy through the Ontario Power Authority's Integrated Power System Plan. This Plan calls for a renewal of Ontario's nuclear generating capacity. The Deputy Minister of Energy will describe the current program implementation status, next steps, and strategic implications of Ontario's efforts to maintain its nuclear baseload capacity and modernize its nuclear fleet over the next 20 years.



12:30 – 13:00 ***Nuclear Power and the Emerging New Brunswick Energy Hub***



The Honourable Jack Keir
Minister, New Brunswick Department of Energy

With its rapidly developing renewable energy industry, and the construction of multi-million dollar energy projects, the province of New Brunswick is on the cusp of becoming a world leader in the energy sector. The government has a vision of the province as the energy hub of the Eastern Seaboard, capitalizing on all opportunities for growth, while at the same time leading the way in energy efficiency and renewable energy. Nuclear power is a key component of the government’s vision, and will play a major role in achieving the province’s goal of self sufficiency. New Brunswick Energy Minister Jack Keir will share his government’s goals and vision for the energy hub, and the role the nuclear sector will play within it.

13:00 – 13:10 **Closing Remarks**



Murray Elston
President and CEO, Canadian Nuclear Association

13:10 – 14:00 **Closing Buffet Luncheon**

R E G I S T R A T I O N

(Check one, or both) I will attend: **CNA SEMINAR 2008** WiN Canada's Pre-CNA Seminar Event — *Celebrating Excellence*

(First and last name as they will appear on your name badge)

(Please note that the WiN program is free of charge)

Mr. Mrs. Ms. Dr. _____ First Name: _____ Last Name: _____
Title: _____
Organization: _____
Address: _____
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CNA SEMINAR FEE STRUCTURE

Before Feb. 4 | On, or after Feb. 4

Members	<input type="checkbox"/> \$500	<input type="checkbox"/> \$550
Non-members	<input type="checkbox"/> \$600	<input type="checkbox"/> \$650
Government	<input type="checkbox"/> \$500	<input type="checkbox"/> \$550
Students/Retirees	<input type="checkbox"/> \$200	<input type="checkbox"/> \$250
Opening Reception Only	<input type="checkbox"/> \$100	<input type="checkbox"/> \$150
Fee Not Applicable	<input type="checkbox"/> (by invitation only)	

Member rates apply to employees of CNA member companies

Full refunds will be provided if cancellation is received by February 4, 2008. Cancellations received after this date will be charged an administration fee of \$100.

Late registrants cannot be guaranteed seating for breakfasts or lunches.

Seminar Fee	_____	CDN
Plus 5% GST	_____	CDN
Total Payment	_____	CDN

(GST Reg. R100769082)

PAYMENT INFORMATION

Payment by (check one):

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Please send your completed form by mail, or fax to:

Canadian Nuclear Association, **CNA Seminar 2008**
130 Albert Street, Suite 1610
Ottawa, Ontario, Canada, K1P 5G4

Fax (613) 237-0989

For more information, please call (613) 237-4262 ext 105, or e-mail: sarsfieldk@cna.ca Online Registration available at:

www.cna.ca

CNA SEMINAR 2008 GUEST REGISTRATION

Going the Distance – Nuclear Energy in the New Age

February 27 – 29, 2008

Seminar participants may register their guest to attend the opening reception on February 27. Please include payment for your guest when you register. Guest \$100

Guest Name:

PRE-CNA SEMINAR EVENT WOMEN IN NUCLEAR (WiN)

Celebrating Excellence

February 26 and 27, 2008

WiN's pre-CNA Seminar sessions are free of charge, but registration is required. If you plan to participate in WiN's pre-CNA Seminar event program please fill out this registration form and tick the relevant "I will attend" box(es) at the top of the form.

WiN's pre-CNA Seminar event includes an optional tour of AECL Chalk River Laboratories. Please indicate below whether you will attend.

AECL Tour (limit 25 participants, WiN members only)

Your registration will be confirmed pending availability of space. Fee of \$100 will be charged payable at the tour.

Please note that there will be a \$100 administration fee to WiN registrants who fail to attend the WiN sessions or AECL Tour. Cancellations must be received by February 4, 2008.

HOTEL REGISTRATION

Special room rates have been made available for Canadian Nuclear Association Annual Seminar 2008 delegates at the Westin Hotel.

Please contact the hotel directly to reserve or cancel accommodation. Reservations at the seminar rate are guaranteed until February 4, 2008; after that, rooms will be subject to availability. Be sure to specify that you will be attending the Canadian Nuclear Association Seminar to receive the discounted room rate. Credit card information must be provided at the time of booking.

Room Rates:

Traditional	\$ 176 single / double
Deluxe	\$ 226 single / double
Suites	\$ 301 and up

Contact:

The Westin Ottawa, 11 Colonel By Drive
Ottawa, Ontario, Canada, K1N 8S7
Tel. (613) 560-7000, or 1-800-937-8461
Fax (613) 234-5396

Online Room Reservations: <http://www.starwoodmeeting.com/StarGroupsWeb/res?id=0710059302&key=FB00>