

NUze



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The Canadian Nuclear Association Newsletter

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NU Energy on the Hill

The second NU Energy on the Hill Day, Sept 30-Oct 1, was a great opportunity for members of Canada's nuclear industry to get together and learn from each other's experiences in different areas of the industry. More than that, it was a great chance for us to share our



Members of WiN and NAYGN with MP Chris Alexander (2nd from left)

experiences with Parliamentarians.

Thirty-six members of Women in Nuclear (WiN) Canada and North American Young Generation in Nuclear (NAYGN) from CNA member companies participated in meetings on the Hill and professional development sessions,

including a presentation on "How Ottawa Works" by political gurus Anne McGrath and Will Stewart from Ensignt Canada. The Member of Parliament for Simcoe-Grey, Ms. Kellie Leitch, also spoke to participants about her role as an MP and Parliamentary Secretary.

[Read more about NU Energy on the Hill Day here.](#)

Economic Impact Study Launch: A Canadian Strategy for Energy, Jobs and Innovation

On October 19, the CNA launched the 2012 economic study entitled Nuclear Technology: A Canadian Strategy for Energy, Jobs and Innovation. New investments in the Canadian nuclear industry will drive an estimated 40 per cent growth in employment over the next five

DO YOU REALLY NEED NUCLEAR POWER JUST TO MAKE POPCORN?

YES.

Right now nuclear power generates 15% of all electricity in Canada. And nearly 60% in Ontario alone. It powers our microwave ovens, homes, hospitals, and businesses. Nuclear power is a low-carbon energy source providing Canadians with safe, affordable, and reliable electricity for 50 years.

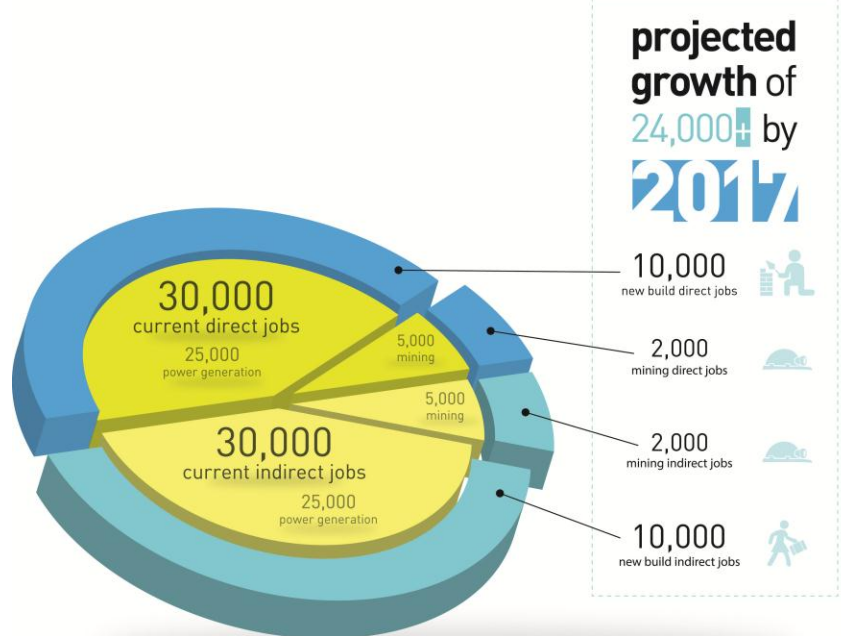
It's power we create right here, right now, with our own resources.

THE POWER TO POP A BAG OF POPCORN. AND TO POWER OUR ENERGY FUTURE.

To learn more go to www.cna.ca

NU The Future is NU.
Canadian Nuclear Association

Learn more about the NU campaign at cna.ca



Assumptions, estimates, and ratio of impact on indirect jobs are all conservative. Based on investment plans for mine expansion and Ontario's Long Term Energy Plan. Source: Canadian Nuclear Association cna.ca

years. That's about 12,000 direct new jobs and a similar number of spin-offs, totalling 24,000 jobs, by 2017. CNA engaged the Canadian Manufacturers & Exporters (CME) to update a 2010 study on national jobs and economic impacts sustained by Canada's nuclear industry. The 2012 Study reveals that Canada's innovative nuclear sector supports strategies to rebuild national strength in energy affordability, increase employment in goods-producing sectors, and improve our capacity in advanced manufacturing and innovation.

“With this study, we can see the tangible benefits that investing in Canadian nuclear innovation brings to Canadians and the Canadian economy. For example, current mining and plant operations, including refurbishment projects, bring \$7.9 billion annually to the Canadian economy and the construction of a new two-reactor plant at the Darlington Generating Station in Ontario is projected to bring this total to \$12.7 billion for five years.” -- Denise Carpenter, CNA President and CEO

The launch of the Study was timed to coincide with National Science and Technology Week (NSTW) in Canada, which runs October 12-21, and is meant to raise awareness about the importance of science and technology in today's world and celebrates Canada's historic and ongoing role as a leader in innovation. Read more about NSTW below.

The study is available to download at cna.ca.

- [CNA-CME 2012 Study: Nuclear, a Canadian Strategy for Energy Jobs and Innovation](#)
- [CNA-CME 2012 Study Highlights](#)

National Science and Technology Week – Largest Practical Science Lesson World Record Challenge at the University of Ontario Institute of Technology



On Friday October 12, the CNA joined the Canadian Nuclear Society at the University Of Ontario Institute of Technology, to participate in a challenge to establish a new World Record for the Largest Practical Science Lesson at multiple locations.

[Read about it at TalkNUclear.ca](#)

Industry NUze

On October 23, 2012, the [Point Lepreau Generating Station](#) successfully synchronized to the New Brunswick electrical grid for the first time since 2008, producing electricity for New Brunswick homes and businesses. The station passed a significant test and is now in the final stages of commissioning to make the station available for commercial dispatch.

On October 16, [Bruce Power's Unit 2](#) sent power to Ontario's electricity grid, for the first time in 17 years. This follows the [successful synchronization of Unit 1](#) in September, 2012. The refurbishment of Units 1 and 2 is a first for Canada's nuclear industry as it is the first time two CANDU Units had been fully renewed after being laid-up for nearly two decades. This is a major step forward in the Bruce Power revitalization project – a key component to Ontario's Long Term Energy Plan.

On July 5, [AECL launched the AECL Nuclear Review](#) a scientific journal which showcases innovative and important nuclear science and technology that is aligned with AECL's core programs. [The Journal](#) welcomes original/novel articles and technical notes in a variety of subject areas.

Regulatory Update

The CNA is continuing to participate in the federal initiatives intended to streamline and strengthen Canada's regulatory regime. There have been a number of developments since the Jobs, Growth and Long-term Prosperity Act (Budget Bill) came into effect. Below are some of the regulatory developments that CNA members have responded to:

- Canadian Environmental Assessment Act: Regulations to designate projects for environmental assessment.
- Nuclear Safety and Control Act (NSCA): Administrative Monetary Penalties Regulations and amendments to the Class I Nuclear Facilities Regulations and Uranium Mines and Mills Regulations regarding timelines for regulatory reviews.

Developments at the Canadian Nuclear Safety Commission, such as the NSCA amendments and the growing number of discussion papers, also have the potential to affect our broader membership. CNA members have developed responses to the following developments and discussion papers:

- Protection of Groundwater at Nuclear Facilities in Canada and the Process for Establishing Release Limits and Action Levels at Nuclear Facilities: regulatory developments concerning surface and groundwater quality have the potential to overlap and duplicate existing federal and provincial regulatory requirements.
- Fitness for Duty: Proposals for Strengthening Alcohol and Drug Policy, Programs and Testing: have the potential to affect our broader membership, including the numerous suppliers who work at licensed sites.

Links to submissions:

- The Canadian Environmental Assessment Agency, Regulations to designate projects
- Administrative Monetary Penalties Regulations - <http://ow.ly/eHpYc>
- Amendments to the Class I Nuclear Facilities Regulations and Uranium Mines and Mills Regulations, regarding timelines for regulatory reviews - <http://ow.ly/eHq0g>
- Protection of Groundwater at Nuclear Facilities in Canada - <http://ow.ly/eHq2v> and <http://ow.ly/eHq4i>
- Process for Establishing Release Limits and Action Levels at Nuclear Facilities - <http://ow.ly/eHq6N> and <http://ow.ly/eHq8E>
- Fitness for Duty: Proposals for Strengthening Alcohol and Drug Policy, Programs and Testing - <http://ow.ly/eHqak>

The accepted peer reviewed articles are expected to span different disciplines such as engineering, chemistry, physics, and biology.

Submissions/Info:

JANL@aecl.ca or 1-800-364-6989 (Corporate Communications)

The **Canadian Nuclear Industry Leadership Program (CNI-LP)** is a week-long Professional Development Program for up and coming leaders in the nuclear industry; combining leadership and technical training to help develop the next generation of nuclear industry leaders. Apply now.

NEED TO KNOW:

- May 27th – 31st, 2013, McMaster University
- Professional Development Program
- 5 Days of Leadership & Technical Training
- More information: www.nuclearleaders.com

Bruce Power took part in Huron Challenge Trillium Resolve, October 15-19, which is one of the largest emergency exercises ever undertaken in the province of Ontario. Hosted by Emergency Management Ontario, the exercise included more than 50 different organizations, 40 distinct scenarios and roughly 1,000 participants. It offered an opportunity to test a number of post-Fukushima

The View from the Hill

CNA continues to advocate on behalf of our members with Members of Parliament and department officials towards the goal of promoting the Canadian nuclear industry's contributions to the national economy, science and technology innovation and employment. This includes meeting with key officials from Environment Canada, Natural Resources Canada, Industry Canada, Department of Foreign Affairs and International Trade and Finance Canada.

Issues we're discussing include: the value of nuclear research and innovation and the enactment of trade agreements signed with India and China, as well as regulatory developments. NU Energy on the Hill Day was also an important Government Relations exercise as it allowed Parliamentarians to meet "NU" faces in the industry.

Read all about NU Energy on the Hill Day on page 1 of the NUze.

[Read the entire CNA government relations update here.](#)

Taking the Show on the Road



Dwight Egarter, Manager, Manufacturing Services, Technical Services, showing attendees of the tour components that are manufactured in Candu Energy Inc.'s machine shop inside SP3.

In the [June issue of the NUze](#), we told you about our Annual General Meeting held at Aecon headquarters in Cambridge. This September, we took our Board of Directors meeting to [Candu Energy Inc.](#) headquarters located in Sheridan Park, Mississauga.

Our Board represents a variety of operations across the industry so it's useful to be able to visit each other's operations whenever possible. After the meeting, members were treated to a tour of Sheridan Park.

Taking the Grocery Store Conversation Online

CNA has been busy talking nuclear across the industry. First when CNA Communications and Digital Media Officer, Laura Allardyce, was invited to speak on the topic at the CNS Nuclear Education and Outreach Conference in Hamilton on August 26-28, and again on September 26 with a group of Women-in-Nuclear (WiN) members from the Eastern-Ontario chapter at AECL in Chalk River. Both occasions

enhancements designed to make the Bruce Power site safer. The event was a huge success.

Cameco and AREVA have teamed up for [Northern Tour 2012](#). Community members are invited to receive updates on community investment initiatives, learn how communities are using these investments, participate in idea exchanges for future investment and a chance to enter Cameco's northern skills assessment database and get information on upcoming job opportunities.

On August 11, **AECL Chalk River held its first open house in over a decade.**

Over 2300 people attended to check out a number of displays and demonstrations, a non-technical seminar series, as well as guided and unguided walking tours of the facilities and programs on site. The open house was heralded as a huge success; it will surely not be another decade until the next one.

brought about discussion and interest in joining the online conversation. [Read more about Laura's trip to AECL to "talk nuclear."](#)

There is a lot of interest in social media among members of the nuclear industry, and a lot of pride among the people who work in Canada's nuclear industry. Social media is about people having conversations online and building relationships; sharing interesting information on Facebook, tweeting a link to a good news story on Twitter, and telling our own stories on a blog.

CNA maintains four social media sites which you're invited to join. CNA members are also encouraged to join the CNA Social Media Working Group to learn more about getting on social media.



With WiN Eastern Chapter Execs (L-R): Bev Kidd, Laura Allardyce (CNA), Solly Karivelil, and Anne Giardini

Contact Laura Allardyce at allardycel@cna.ca for more information about joining the working group or hosting a social media workshop at your location.

Dialogue in Action at #CNAconf2013

Canadian Nuclear Association
Conference + Trade Show 2013



Talking Nuclear **Dialogue in Action** february.27 » march.1

Registration is open for the 2013 CNA Conference and Trade Show, February 27-March 1, in Ottawa. Visit the Conference website cna.ca/CNAconf2013 for the latest program updates, new sponsors, information on our Student Participation Program (updated for 2013), and more. **Questions? Email us at CNAconf2013@cna.ca**

Winner! The winner of the draw for a FREE two-night stay in a Westin suite during the conference is Nick Aroutzidis, Managing Partner, [NA Engineering Associates Inc.](#) **Congratulations!**

Upcoming Events

- **November** – Join Team NUvember
cna.ca/Movember Nov 1-30
- **30th anniversary** of the Low-level Radioactive Waste Management Office, Ottawa & Port Hope – Dec 6
- **NAYGN professional networking event**; Past, Present, and Future of Nuclear, AECL Chalk River Laboratories – Nov 8-9
- **APPRO Energy Conference**, Toronto, ON, Nov 6-7
- **Science Teachers of Association of Ontario Conference**, Toronto, On, Nov 14-16
- **CNA Executive and Board of Directors meeting**, Toronto, On, Dec 6



Learn more about the daily benefits of nuclear technology at NUnuclear.ca