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The Honourable Glen R. Murray
Minister of the Environment and Climate Change
11th Floor, Ferguson Block
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Toronto, Ontario
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Dear Minister Murray:

On behalf of the Organization of Canadian Nuclear Industries (OCI), I would like to commend your ministry on its proactive consultation with Ontarians during the development of Ontario's climate change policy and action plan.

The Organization of Canadian Nuclear Industries is an association of 180 leading Canadian suppliers to the nuclear industry in Canada and the international marketplace. OCI member companies collectively employ more than 12,000 highly skilled and specialized people who manufacture major equipment and components and provide engineering services and support for CANDU and other nuclear power plants in Canada and around the world. OCI actively promotes the production of safe, clean and reliable nuclear electricity as a key part of a balanced electricity generation portfolio in Ontario and throughout Canada.

As I lead trade missions of Ontario-based manufacturers of nuclear power plant components to countries such as the UK, India, China, and South Korea I am proud to boast about Ontario's leadership in closing its coal generating stations in 2014 and that our strong reliance on nuclear generation (62% of total electrical energy production in 2014) gives Ontario one of the lowest GHG-intensive electricity systems in North America. The people of Ontario now breathe cleaner air and other jurisdictions are following our leadership. The nuclear industry can take much of the credit for the early coal phase-out through the return to service of six nuclear units at the Bruce and Pickering sites.

OCI supports the balanced electricity generation portfolio as outlined in the provinces Long-Term Energy Plan released in October 2013 with nuclear energy providing the bulk of Ontario's electricity. There is simply no other 24 by 7 source of non-emitting generation. The planned refurbishments of 10 nuclear units at Darlington and Bruce Power will provide clear economic and environmental benefits for province while creating thousands of well-paid and sustainable jobs.

In addition to Ontario's "Cap and Trade" GHG emission reduction program announced this week, we encourage Ontario to actively invest in and promote electricity-based technologies for the transportation and industrial sectors which were responsible for 34% and 30% respectively of Ontario's total GHG emissions in 2012 (reference *Ontario Climate Chain Discussion Paper 2015*).

To emphasize the benefits of wider electric vehicle (EV) deployment in Ontario I note that University of Toronto civil engineering professor Christopher Kennedy states in his paper in the journal "Nature Climate Change" that shifting to electric vehicles from gas burning vehicles will reduce overall GHG emissions when the GHG intensity of the power generation system is less than 600 tons of GHG's for every gigawatt-hour of electricity produced. Ontario's electricity system has a GHG intensity of less than 100 tons of GHG's per gigawatt-hour while Alberta and Saskatchewan sit at around 750 tons per gigawatt-hour. Increased electrification of Ontario's manufacturing and transportation sectors, through the leadership of several key Ontario ministries such as Environment and Climate Change and Research and Innovation, can therefore pay huge GHG reduction dividends to Ontario.

I look forward to having an opportunity to discuss this critical issue with you in the near future.

Sincere regards,



Dr. Ron Oberth
President
Organization of Canadian Nuclear Industries

Cc
Minister Bob Chiarelli
Minister Reza Moridi