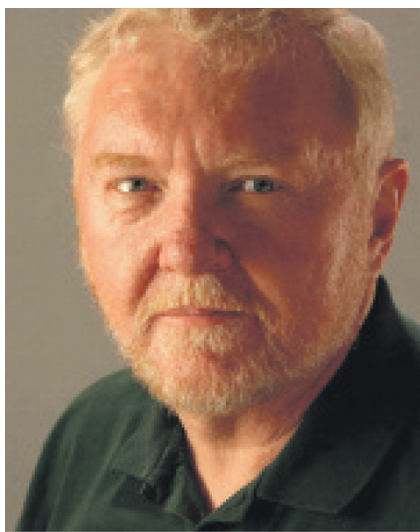


Now Is The Time For Ontario To Move Forward With New CANDU Reactors



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Over the past year, a number of major hurdles have been cleared so that Ontario can proceed with the decision to build two new CANDU reactors at the Darlington Nuclear station. The federal government has sold Atomic Energy of Canada's reactor division to SNC Lavalin's CANDU Energy Inc. and committed funding to complete design work on the upgraded CANDU 6 reactor. The provincial government has committed to new nuclear units as a central part of its Long Term Energy Plan. Ontario Power Generation has done extensive preparatory work and a Joint Review Panel has submitted the project's Environmental Report for federal review.

For over 47 years, CANDU reactors have safely and reliably produced greenhouse gas (GHG) emission free electricity for Canadian homes and businesses. Our CANDU fleet has helped Canada avoid 2.4 billion tonnes of GHG emissions since 1972. Annually, about 90 million tonnes of GHG emissions are avoided. That's equivalent to the exhaust from about 18 million cars, and about 12 percent of Canada's total emissions. By powering zero-emission vehicles with low carbon electricity from two new Darlington reactors, Ontario could significantly reduce GHG emissions from its biggest emitter – transportation.

New CANDU reactors will help Ontario improve long-term energy security. Nuclear generation is the best way to provide base-load electricity and minimize Ontario's reliance on environmentally questionable, carbon-emitting U.S. shale gas. With 3,000 megawatts of supply scheduled to come off-line by 2020 when the Pickering Nuclear Station closes, the construction schedule for these new CANDU reactors takes on even greater importance.

The environmental benefits of new CANDU reactors are compelling given the importance of reducing GHG emissions. The International Institute for Sustainable Development indicated that Canada would fall short of its 2020 emission goals by over 50 per cent while Ontario's Environment Commissioner has noted that the province's growing reliance on carbon-emitting natural gas generation could compromise its GHG targets. By limiting the use of natural gas generated electricity to peak demand times, Ontario can strategically minimize its reliance on carbon-emitting natural gas plants.


Moving forward with the construction of new reactors represents significant sustainable economic benefits for Ontario and

Canada at a time when such benefits are sorely needed. Ontario is the major beneficiary of Canada's \$6.7 billion a year nuclear industry, hosting most of the 160 supply chain companies and associated 70,000 direct and indirect high value jobs. Building new CANDU reactors will help sustain these benefits, generate tens of thousands person-years of new employment and position Ontarians as major players in the trillion-dollar global nuclear energy industry.

In a recent speech to the Toronto Board of Trade, Patrick Lamarre, the head of CANDU Energy Inc., stated that a decision to build in Ontario would send a powerful signal to the global marketplace. He also noted that Romania, Argentina, China and India all have CANDU reactors and will be in the market for more. As well, Ukraine, Turkey and Jordan and Poland are potential customers.

Worldwide, Canada's nuclear technology has an impressive safety record spanning over a thousand reactor years. The CANDU "safety-in-depth" design makes it a safe way to generate large volumes of reliable electricity. The CANDU reactor uses natural rather than enriched uranium; it has the unique ability to reuse fuel from other reactor technologies; unlike other reactor types it has the ability to use thorium (a big advantage in the Asian market); and it is suitable for small grid systems – these are substantial competitive advantages.

It's time for the Province of Ontario to get this fundamental component of the Long Term Energy Plan underway. Ontario needs the clean, affordable base-load electricity CANDU reactors will provide as well as the boost to the province's economy and nuclear industry. The time for waiting is over.



REFURBISHING ONTARIO'S NUCLEAR PLANTS AND BUILDING NEW CANDU REACTORS ARE VITAL TO OUR ELECTRICITY SYSTEM AND ECONOMY

- Delivers safe, low cost, reliable electricity 24/7 year in and year out
- Key to maximizing greenhouse gas (GHG) reductions
- Key to enabling the transition to GHG emission-free electric vehicles
- Supports and grows Canada's successful nuclear industry
- Sustains and creates tens of thousands of high value jobs in Ontario
- Enhances long-term energy security
- Generates billions of economic spin-offs that stay in Ontario

Ontarians deserve reliable, secure, and environmentally responsible electricity at a price they can afford.

For more information please go to www.abetterenergyplan.ca

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KEEP THE LIGHTS ON**

