



**Written submission from  
Dave Shannon**

**Mémoire de  
Dave Shannon**

In the Matter of the

À l'égard de la

**New Brunswick Power Corporation,  
Point Lepreau Nuclear Generating Station**

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**Société d'Énergie du Nouveau-Brunswick,  
centrale nucléaire de Point Lepreau**

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Application for the renewal of NB Power's  
licence for the Point Lepreau Nuclear  
Generating Station

Demande de renouvellement du permis  
d'Énergie NB pour la centrale nucléaire de  
Point Lepreau

**Commission Public Hearing  
Part 2**

**Audience publique de la Commission  
Partie 2**

**May 11 and 12, 2022**

**11 et 12 mai 2022**

**Letter of Comment to CNSC**  
**New Brunswick Nuclear Power**  
**License Renewal**

I support New Brunswick Power's 25-year license renewal for its CANDU nuclear reactor at Point Lepreau. My interest in nuclear energy started when I was a University of Alberta summer student working at Eldorado's mine site, mill and concentrator at Beaverlodge, northern Saskatchewan in 1965. I experienced the operation of uranium oxide extraction as a millwright assistant underground to a helper in the grinding, flotation, and filtration circuits of the mill.

The IPCC has elevated its warning that the world must transition to low carbon energy in the next ten years to avoid a climate catastrophe. Nuclear power is an energy source with one of the lowest greenhouse gas footprints and offers a wonderful potential in that transition.

For the past 15 years as a retired professional engineer with an extractive metallurgy background in the aluminum smelting industry, I have intervened in opposition to several large British Columbia fossil fuel energy proposals in the north coast region where I live including a twinned crude oil pipeline to a proposed oil export port in Kitimat. I welcome the opportunity to support a promising nuclear energy future for Canada.

Since [Germany has shut down most of its nuclear power](#), the country is now reconsidering that decision as the shortfall from its domestic wind and solar energy output has forced an increased reliance on natural gas and coal-fired energy. Germany's energy options now rely more heavily on Russian oil and gas supplies at a time when the Russian invasion of Ukraine has seriously complicated this dependence.

Canada has very large uranium resources and nuclear power is necessary if we are to remain self-sufficient in low carbon energy. Germany's experience is one we would be very unwise to repeat.

Next generation Small Modular Reactors can augment the larger conventional nuclear reactors and much more efficiently reuse the spent CANDU fuel already stored on the New Brunswick Power site. The Moltex stable salt reactor also proposed at Point Lepreau would be a step in the right direction for Canada's low-carbon energy self reliance.

I urge the CNSC to approve New Brunswick Power's nuclear operating license extension.

Dave Shannon, P. Eng. (retired),

Terrace, British Columbia