



Supplementary Information

Presentation from Paul Thompson

In the Matter of the

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

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

**Commission Public Hearing
Part 2**

May 10 to 12, 2022

Renseignements supplémentaires

Présentation de Paul Thompson

À l'égard de la

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

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

**Audience publique de la Commission
Partie 2**

10 au 12 mai 2022



Renewal of the Point Lepreau Power Reactor Operating Licence

Presentation at the CNSC hearing

Saint John, NB

May 11, 2022

Paul D Thompson
P. Eng., FCNS

Importance of Point Lepreau Nuclear Generating Station

- Provides about 1/3 of power generated in New Brunswick
- In service since 1983, life extended in 2012
- Provides about 850 direct highly skilled jobs and >2700 direct & indirect jobs
- Contributes \$287 Million to the Provincial GDP
- Plays a central role in NB Power meeting its GHG reduction targets
- Plays a major role in New Brunswick having the lowest power rates in the Maritimes

All activities carry risks and have benefits

- Many times people are unaware of risks, or industries are not actively talking about them or addressing them - Not so with Nuclear Power
- Risks are considered right at the beginning and throughout design, materials, construction, commissioning, operation, maintenance and decommissioning via requirements and regulation
- Frequently tested Emergency Response Plans provide additional defense
- Strong culture to ensure safety, and continuous improvement
- Risks and benefits are discussed openly
- Available to the public

Excellent Safety Record

- Point Lepreau Nuclear Generating Station is well designed
- Additional improvements were made during refurbishment to address life extension aspects
- Trained and qualified staff and excellent partnership with IBEW-37
- Well tied into industry operating experience and best practices

Responsible Plan for Waste Management

- Low volumes of waste generation
- Safely stored in the interim at site
- Plans in place for Decommissioning and Long-term disposal of used fuel
- DGR is well researched and inline with international best practice
- NWMO places high value on engagement
- Costs for decommissioning and long-term disposal of Radioactive waste are set aside



Caring for the Environment

- Safety for people and the environment is always their priority.
- In every job they do, they consider the possible effects on the environment and how they can reduce the impact to be as small as possible.



Caring for the Communities

- PLNGS is committed to earning trust with the communities surrounding their facilities and across the province, including First Nation communities.
- They share information openly about their operations.

Canadian Nuclear Safety Commission



World- Class Regulator



Summary and Conclusion

- PLGS is well managed, operates safely and reliably and places due care and attention to ensure the health, safety and security of workers, the public and the environment and respects Canada's international obligations.
- Respectfully request the commission accepts the recommendation of staff in CMD 22-H2



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