

Project Update



Summer 2021

Canada's first Small Modular Reactor

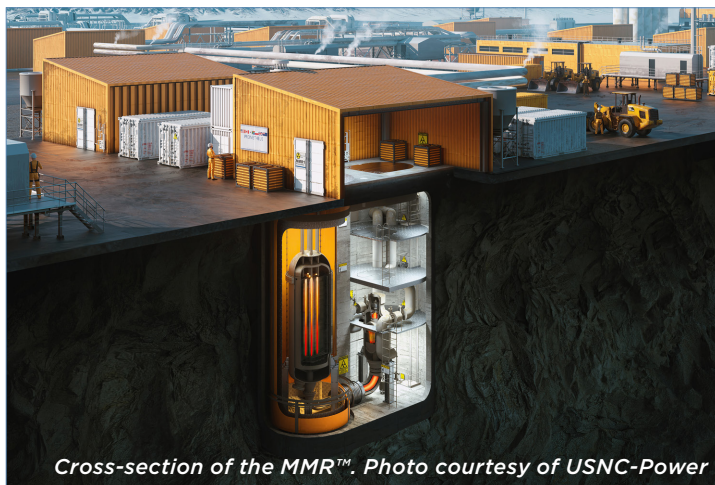
Global First Power, a joint venture between Ontario Power Generation and USNC-Power, is proposing to construct, own and operate Canada's first Small Modular Reactor (SMR). This commercial demonstration project, to be located at the Chalk River Laboratories site, Federal land owned by Atomic Energy of Canada Limited (AECL) and managed and operated by Canadian Nuclear Laboratories (CNL), is intended to serve as a model for future SMR deployments by producing competitively priced clean energy for remote communities and heavy industry, such as mining. The SMR, a Micro Modular Reactor™ (MMR™), designed by USNC-Power, will provide 15 megawatts of heat energy that could be converted to electrical power (up to five megawatts of electricity).

MMR™ Facts:

- ▶ One MMR™ could replace approximately 200 million litres of diesel.
- ▶ A design-life of 20 years.
- ▶ Constructed and tested prior to arriving on-site; assembled on-site.

Recent highlights

GFP is excited to announce that the Project has fulfilled requirements to move to the formal phase of licensing with the Canadian Nuclear Safety Commission (CNSC). On their website, www.nuclearsafety.gc.ca, the CNSC provided details on GFP's Licence to Prepare Site, indicating that the Project has fulfilled requirements to move to the formal phase in this process, which will involve a detailed technical review. "This milestone is an achievement not only for GFP, but for Canada's climate change goals as we move one step closer to transforming the energy industry," said Robby Sohi, GFP President and CEO.



Cross-section of the MMR™. Photo courtesy of USNC-Power

Current priorities

A feasibility study was conducted to identify potential sites to locate the Project within the Chalk River Laboratories site. The top three ranked locations were further reviewed. Through consideration of technical and environmental criteria, a preferred site was identified.

The preferred site, a current parking lot, will be further evaluated and assessed through the completion of a geotechnical study and subject to the site evaluation and Environmental Assessment (EA) studies in accordance with regulatory requirements.

To learn more about the Environmental Assessment, check out gfpcleanenergy.com.



Photo credit: © Canadian Nuclear Laboratories

Indigenous and Public Engagement

GFP is committed to Indigenous and public engagement. To provide information on the Project and to collect feedback, GFP hosted a telephone town hall in March 2021. During this session, GFP provided updates and answered questions live. Did you miss this event? You can listen to the recording on globalfirstpower.com.

We want to hear from you

Get in touch. Reach out with your questions, comments, and feedback.

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