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Director General, Directorate of Advance Reactor Technologies  
Canadian Nuclear Safety Commission  
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Director, Review Panels  
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Dear Colleague:

**Notice of Intent to Submit  
an Application for a Licence to Prepare Site and Commence an Impact Assessment**

The purpose of this letter is to provide the Canadian Nuclear Safety Commission (CNSC) and the Impact Assessment Agency of Canada (IAAC) a formal notice of Bruce Power's intent to submit an application for a Licence to Prepare Site and commence an Impact Assessment (IA) for new nuclear generation on the Bruce site in Tiverton, Ontario.

The company is advancing this process in a pro-active, open and transparent manner in order to engage Indigenous peoples, local communities, stakeholders and the public early in the process as a planning tool to meet Ontario's long-term energy needs.

In July, the Ontario Government announced its long-term electricity framework entitled "Powering Ontario's Growth" with the goal of ensuring Ontario has the clean, affordable, and reliable electricity it needs to power future economic growth and electrification.

A key element to this framework is to commence pre-development work, in collaboration with the Ontario Government through the Independent Electricity System Operator (IESO), for additional and large-scale generation on the Bruce site. The framework and associated pre-development work targets up to 4,800 megawatts (MW) of additional nuclear capacity on the Bruce site. This additional capacity, which we are referring to as Bruce C, would complement the existing Bruce A and B generating facilities that are home to eight reactors.

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The Bruce Site was selected given its unique and strong characteristics. It is a well-studied site with verified and known environmental impacts, for which iterative assessments demonstrate no unreasonable risk to human and ecological receptors, supported by decades of previous approvals. There is ample space on the 932 hectare site, with connections to existing transmission corridors, and is supported by a skilled workforce and an engaged and supportive local community. Bruce Power is an experienced large-scale operator with a proven track-record as a private-sector nuclear operator that has been one of the largest investors in nuclear technology in Canada and is among the lowest cost producers of electricity for Ontario ratepayers.

Through this pre-development work, Bruce Power is taking an initial step towards the IA process with the goal of early engagement of both Indigenous peoples and local communities. We are fully committed to engaging on concerns and opportunities raised by Indigenous peoples and local communities as we progress the pre-planning and IA process. We will evolve these activities as we progress based on feedback and look forward to advancing this pre-development work important to Ontario's clean energy future.

Since the Ontario Government's announcement in July, Bruce Power has commenced early engagement activities, with a series of additional activities planned for the balance of 2023. Bruce Power will summarize the feedback from these engagement activities into the Initial Project Description (IPD), which the company plans to submit to IAAC and CNSC in early 2024.

In addition to summarizing early feedback into the IPD, the company will also use the ongoing engagement activities to inform future IA activities, including the development of an Impact Statement (IS). All early engagement and IA activities will be aided by decades of environmental analysis, studies and approvals of the Bruce Power Site, a previously approved and technology-neutral bounding plant envelope and input that has been provided by the public and Indigenous communities from previous processes.

Finally, we will continue to monitor the recent questions raised by the Supreme Court of Canada related to the IA process in Canada. It is important that this matter be resolved in a timely and comprehensive manner in order to provide regulatory certainty. Nonetheless, Bruce Power plans to continue to advance its pre-development work, as we believe it is the right course of action and focus at this time.

Canada is at an important juncture, we will only be able to address climate change, advance a net zero future and grow our economy through investment in long-term clean electricity infrastructure. By starting early and engaging in pre-development work, it will place Canada in a strong position to be successful and inclusive while tackling these challenges. This approach will result in greater long-term certainty so we can address the challenges ahead together.

We would be pleased to meet with you and your teams to address any questions that you have related to this letter, in addition to the ongoing dialogue already underway.

If you require further information or have any questions regarding this submission, please contact Mr. Michael Rinker, Vice-President, Regulatory, Environment and Sustainability at (613)897-1487, or [michael.rinker@brucepower.com](mailto:michael.rinker@brucepower.com).

Regards,



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Bruce Power

cc: CNSC Bruce Site Office  
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