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**Written submission from the
Grey Bruce Health Unit**

**Mémoire du
Grey Bruce Health Unit**

**Regulatory Oversight Report for
Canadian Nuclear Power Generating
Sites in Canada: 2021**

**Rapport de surveillance
réglementaire des sites de centrales
nucléaires au Canada : 2021**

Commission Meeting

Réunion de la Commission

November 3, 2022

Le 3 novembre 2022



Date: Sept 14th, 2022

Re: Regulatory Oversight Report for Canadian Nuclear Power Generating Sites (Bruce Power) for 2021

Attention: Canadian Nuclear Safety Commission (CNSC)

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As the Medical Officer of Health for Grey and Bruce counties in Ontario, Canada, I have been fortunate in my career to tout the incalculable importance of public health as central to all conversations. At its core, the idea of public health ruminates through all politics, discussions, and decisions in our society – the health of our communities is paramount.

As a strategic partner of Bruce Power, the Grey Bruce Health Unit is fortunate to have a strong and dedicated ally in the ongoing fight to promote and protect the health of our communities. It is my distinct pleasure to outline Bruce Power’s impact on Grey Bruce, the province of Ontario, Canada, and the globe.

When the rollout of the COVID-19 vaccine began in Grey and Bruce, Bruce Power lent its strength as a capable force to support the health of the region in a way that captured the hearts of the general population. Together with Public Health, our army of dedicated volunteers, partners, and local businesses, we became a beacon of hope in the fight against the virus. I consider it a privilege of my career to have received such resolute aid and assistance from the Bruce Power team.

Of note, Bruce Power was instrumental in supporting the logistics and roll-out of our locally grown Hockey Hub Mass Vaccination Model. The success and efficiency of this model were based on a streamlined flow-through process and the ability to use non-clinical staff for non-clinical tasks, preserving clinical capacity across the region. Bruce Power provided logistic support to health units across Ontario to establish similar hockey hubs. The model was adopted across the province, the country, and now the globe to facilitate efficient vaccine administration of up to 4,500 people per day with just 5 vaccinators. Furthermore, Bruce Power proactively ordered and donated vaccine freezers positioning our region and other parts of the province for success in our mission to save lives. In this role, Bruce Power acted as a vital leader in collaborating with Public Health to prevent COVID-19 and expand vaccination capacity across the region and the province – a role that ensured a targeted approach to curbing the transmission of COVID-19.

A healthier future for all.

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Along with logistical support, Bruce Power invested millions throughout the pandemic to support vaccine hubs, community outreach programs, and support groups – as well as provided advocacy to the provincial level when needed in an unparalleled communications capacity.

Bruce Power's team was indispensable in developing the Grey Bruce COVID-19 Vaccine App for residents of Grey and Bruce counties. They proactively brought forward contests to address vaccine hesitancy with our friends at Cobble Beach and NHL Hall-of-Famer, Doug Gilmore. And throughout the pandemic, Bruce Power maintained its broad dedication to community health by donating \$1.5 million to the Building Health Care for Generations Kincardine Hospital Redevelopment Capital Campaign.

As a strategic partner, Bruce Power kept the Grey Bruce Health Unit informed about its work to secure and extend its site's operation until at least 2064, in the critical generation of approximately 30% of Ontario's electricity. On top of providing warmth, light, and hope to our communities, Bruce Power has worked to advance the goals of *Project 2030*. This innovative project will see Bruce Power support Ontario and Canada's climate change targets and future clean energy needs by producing a new peak output for the site of 7,000 MW by the year 2030 via the optimization of its existing assets.

On top of its dedication to expanding vaccine availability in Ontario and extending its ability to provide clean energy to Ontarian homes, Bruce Power is also a global leader in the production of numerous medical isotopes, namely Cobalt-60 and Lutetium-177, helping to tackle the global fight against cancer. Bruce Power's production of Cobalt-60 is responsible for the sterilization of approximately 40% of the world's single-use medical devices and is used in the treatment of complex brain cancers via radiation therapy. Lutetium-177, meanwhile, is a breakthrough therapeutic isotope used in the treatment of prostate cancer and neuroendocrine tumours.

On behalf of the Grey Bruce Health Unit and its team, as well as the constituents of the populations we serve, we offer our most sincere thanks for the ongoing support and partnership we have felt from Bruce Power.

Yours very truly,
Dr. Ian Arra, MD MSc FRCPC ACPM ABPM

Medical Officer of Health and Chief Executive Officer
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