



## **Supplementary Information**

## **Renseignements supplémentaires**

### **Presentation from the Municipality of Kincardine**

### **Présentation de la municipalité de Kincardine**

#### **Bruce Power**

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#### **Bruce Power**

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#### **Bruce Power Mid-Term Update of Licensed Activities**

#### **Rapport de mi-parcours au sujet des activités autorisées de Bruce Power**

Commission Meeting

Réunion de la Commission

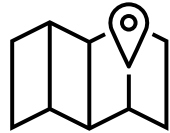
September 20 and 21, 2023

Le 20 et 21 septembre 2023

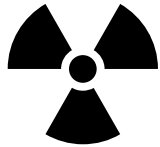
# Municipality of Kincardine – Home of Bruce Power

Presentation to Canadian Nuclear Safety Commission  
September 20-21, 2023 – Bruce Power Mid-Term Review

# Municipal Overview



Located along the beautiful shores of Lake Huron in Bruce County, Ontario



Home of the Bruce Power site – Canada's largest power station



Population of 12,000+

Approx. **26%** of Bruce Power's regular employees live in Kincardine

**22** Major suppliers to Bruce Power are located in Kincardine

Approx. **4%** Of Bruce Power's casual workforce are residents in Kincardine

In July 2023, Ontario Minister of Energy, Todd Smith, announced the intent to build 4.8 GW of new nuclear on the Bruce Power site



# Municipal Strategic Objectives

Municipal strategies related to fostering a resilient economy recognize and support the importance of the production of clean energy to help support the provincial electricity grid being done through Bruce Power



## Kincardine Integrated Strategy

- Work with the nuclear sector (clean energy) to leverage current and future opportunities
  - Enhance relationships with nuclear (clean energy) supply chain
  - Promote Kincardine as a leading jurisdiction in the nuclear (clean energy) sector
  - Collaborate with all levels of government, the Municipal Innovation Council, the Clean Energy Frontier, to promote the area as a supportive community for the nuclear (clean energy) sector



# Economic and Community Benefits

*Kincardine is the proud host municipality of Bruce Power*

- The Nuclear Sector is the backbone of our local economy and provides jobs for a great number of our residents.
- The Municipality and Bruce Power have had a positive and collaborative working relationship since the company was formed in 2001
- Bruce Power is the largest employer in our municipality and with the Major Component Replacement (MCR) project has attracted over 30 nuclear suppliers into the community
- We appreciate the quality jobs and economic stimulus the nuclear sector provides beyond our boundaries and across Huron, Bruce, and Grey Counties



# Economic and Community Benefits

- Bruce Power makes safety a top priority and works collaboratively with the municipality to enhance emergency preparedness
- Kincardine is regularly engaged by Bruce Power to exercise emergency plans and to conduct drills, including large-scale emergency exercises
- Bruce Power staff provide regular updates to the municipality about initiatives and projects, as well as providing notice on events that occur on the site



# Economic and Community Benefits

- One of the main goals in the Municipality of Kincardine's Economic Development Strategy is to solidify the community's presence in the nuclear sector and capitalize on future nuclear opportunities
- The nuclear sector provides an extraordinary amount of well-paying high-tech and skilled trade jobs. As a result, the municipality's median household income is 16% higher than the Ontario average
- The recent announcement at Bruce Power signaling the start of pre-development work for Ontario's first large-scale nuclear build in over three decades may continue to retain jobs locally for the future
- The company and its employees also donate to many community organizations and events each year
- Bruce Power also invests back in the community. Earlier this year, Bruce Power and the nuclear supply chain provided a \$2 million donation to the Kincardine Hospital Redevelopment Capital Campaign



# Emergency Management

As home to the nuclear site, Kincardine works closely with Bruce Power to coordinate on emergency management and response.

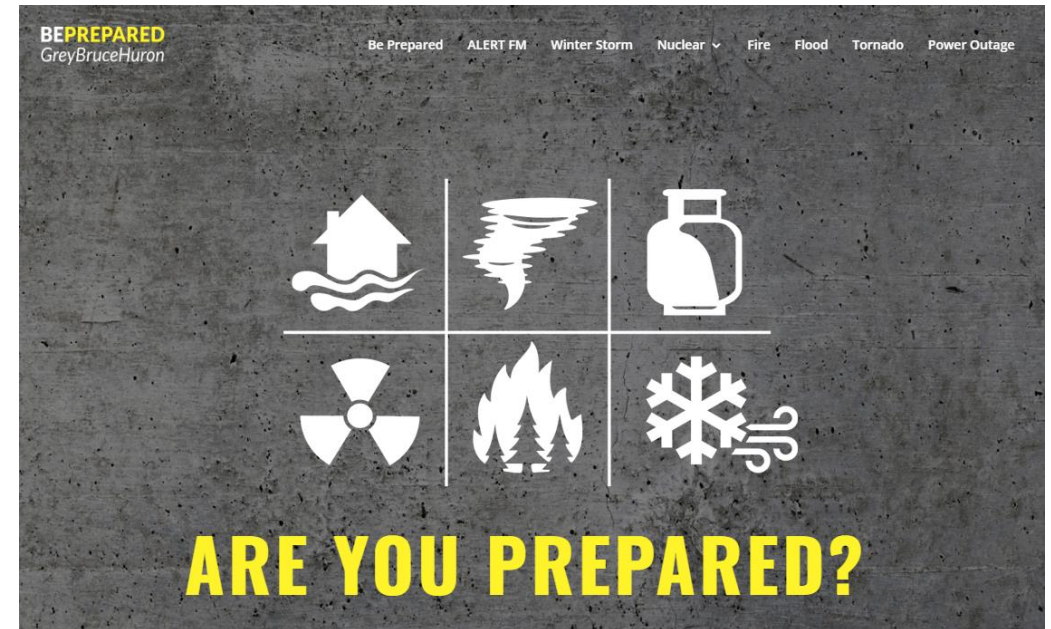
- Through the continuing Nuclear Emergency Preparedness Agreement between the Municipality and Bruce Power, Bruce Power provides funding to support:
  - Annual Emergency Management Program
  - Meetings
  - Municipal Emergency Preparedness
  - Drills/Exercises and Training
  - Public Education
  - Reports and Administration
- Provincial Emergency Exercise - Huron Endeavour
  - Participated in Emergency Exercise 'Huron Endeavour' in 2022, a provincial emergency exercise along with 500+ people from 30+ municipal, provincial, federal, and international organizations and ministries for 3 days





# Emergency Management

- Discussions between Kincardine and Bruce Power are underway to collaborate to replenish and re-distribute potassium iodide tablets (KI pills) to residents and businesses within 10 km of Bruce Power. Current KI pills will expire as early as mid-year 2025.
- BE PREPARED GreyBruceHuron guide planned for update in Fall 2023 and then distributed. Input is sought by Bruce Power from Kincardine for the guide.



# Emergency Management

- Recently the MOK has confirmed with both school boards in area the process for distribution of potassium iodide pills and the stockpile they have on hand providing this communication to Bruce Power.
- The 'Regional Emergency Interoperability Group' was recently reestablished and named the 'Local Responders Group'
- MOK completes ongoing monitoring of the Alert FMs in peoples' homes to ensure new owners or renters in the 10 km area receive these devices as well as KI pills. Ongoing support and testing happens frequently as well in an effort to support poor cell reception and demographics that don't have technological tools that support other alerting methods we have in the community.



## Platforms for public alerting in various situations:

- 1** **Kincardine Alert (RAVE)** - a program used for the entirety of the Municipality of Kincardine to notify residents before; during; and after an emergency based on the circumstances of the emergency. The program is free to sign up for and residents are encouraged to do so.
- 2** **Alert FM** – In partnership with Bruce Power we strive to ensure all demographics of the Municipality of Kincardine are capable of receiving timely messages in the unlikely case of a nuclear facility emergency. Alert FMs harness the ability to receive messages when the Municipality of Kincardine Emergency Management or the province (Alert Ready) send messages through FM frequencies to alert the public. These devices help cover areas with poor cell reception as well as community members that do not use or have readily available to them land lines, cell phones, internet etc. such as our Mennonite and Amish communities.
- 3** **Sirens** – In partnership with Bruce Power, Kincardine owns, operates and maintains 9 sirens to alert residents within 3 KM of Bruce A and Bruce B in the unlikely case of a nuclear facility emergency. Five9 solutions works with Kincardine to maintain this system. Daily we run 2 quiet tests as well as an annual full volume siren test which Bruce Power, Five9 Solutions, and Bruce Power attend to ensure all capabilities of the sirens are met.



# Emergency Management – COVID-19

- Bruce Power Leadership throughout COVID-19 Global Pandemic
  - Throughout the COVID-19 Bruce Power demonstrated leadership a commitment to protecting their workers and support to the broader community. Bruce Power worked with the local health unit and area municipalities to initiate the 'Hockey Hub' mass immunization clinics, a model that was later commemorated and replicated throughout the Province.
  - Through partnerships we were able to address the various challenges of the global pandemic to assist with work toward:
    - Locating a potential recovery centre
    - Vaccination site and establishment of depot of materials for other vaccination sites (Hanover and Owen Sound)
    - Collaboration to support safe deliveries of materials for Bruce Power



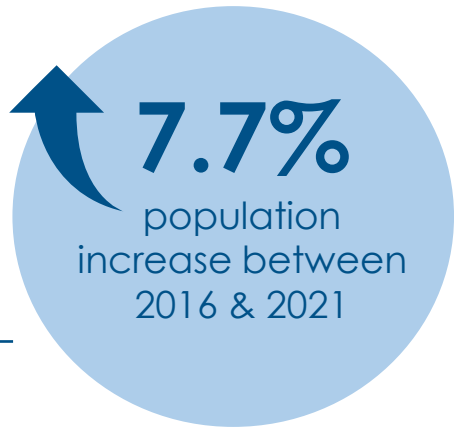
# Emergency Management – Health Care

## Community Challenges – Health Care

- The global pandemic shone a light on challenges in health care systems. Like other communities, Kincardine is concerned about Emergency Room closures within the South Bruce Grey Health Centre. The Kincardine Hospital Emergency Room was closed in 2022 due to lack of health human resources. This facility houses an emergency decontamination area that could potentially be activated in a nuclear facility/radiological emergency which is established to support Bruce Power employees and residents of Kincardine through our Emergency Workers Centre and Reception and Evacuation Centre.
- The Municipality is advocating for Provincial support to help ensure the local Emergency Room can remain open



# Opportunities



More than the provincial average of 5.8 percent, yet a significant demand for more housing remains, particularly affordable housing.



Newcomers require access to health care services, and we need more physicians.



We are also experiencing a labour shortage to not only to meet the needs of the nuclear sector, but also the other important industries and services in our community.

- MOK is putting plans in place to address some of these issues and look forward to working with our industry partners to ensure that Kincardine grows in a sustainable way
- The Municipality of Kincardine was an active participant and supportive host community for the Low & Intermediate Level nuclear waste Deep Geological Repository proposed by OPG at the Bruce Power site. This project is no longer proceeding and as a result the Municipality is no longer receiving funding from OPG, yet we continue to host the vast majority of Ontario's low and intermediate waste, as well as used nuclear fuel. We look forward to continue being involved in long term solutions for this waste.



Opportunities for new development to support the Municipal Housing Action Plan



Council is looking at the potential of disposing municipally-owned lands to support the growth and development



Affordable/attainable housing maintains as a significant demand in our community



Challenging with a small tax base to keep up with the pressures of the added growth and infrastructure upgrades/expansions



# Municipal Initiatives Supporting Safety and Bruce Power

Kincardine Council continues to work closely on matters in support of safety for Bruce Power workers.

- Alternative access route to the Site during significant winter weather events
- Municipal water supply to the Site



# Summary

- Kincardine and Bruce Power maintain communication on a range of issues, including the issues relevant to this license review
- Bruce Power provides effective, transparent communications with Kincardine and residents throughout the region
- We are pleased to be able to continue to communicate the community's support for Bruce Power during the mid-term CNSC review

