Oral Presentation

Submission from the Municipality of Kincardine

In the Matter of

Bruce Power Inc. – Bruce A and B Nuclear Generating Station

Request for a ten-year renewal of its Nuclear Power Reactor Operating Licence for the Bruce A and B Nuclear Generating Station

Commission Public Hearing – Part 2

May 28-31, 2018
Support for Bruce Power’s
10-year Licence Renewal
About the Municipality of Kincardine

• Kincardine is a municipality of 11,500 people located on the shores of Lake Huron in Bruce County.

• The Municipality of Kincardine is the host municipality of the Bruce Power site.

• An estimated 35-40 per cent of Bruce Power’s 4,200 employees live in our Municipality.
Open Communication

• Bruce Power has demonstrated very open transparent communications with our Municipality and has a very active outreach program within the region.

• Regular updates are provided to our councillors and staff along with collaboration on a wide-range of broader issues facing the region.

• In 2015, we strengthened our ties and signed a memorandum of understanding (MOU) with Bruce Power to build on our already successful relationship.

• Areas of the MOU include:
  – Emergency Preparedness
  – Economic Development
  – Community Outreach
Emergency Preparedness

• This is an important area of focus for the Municipality and one that Bruce Power does a good job of updating my council of.

• In 2015, Bruce Power and the Municipality of Kincardine worked together to pre-distribute potassium iodide tablets to residents within 10 kilometres to Bruce Power.

• With this, a number of activities were completed which include:
  – a joint website launched www.bepreparedgreybrucehuron.com. Public education and outreach leading up to, and after pre-distribution of KI
  – distribution of an annual Community Safety Guide to all residents living up to 50 kilometres to Bruce Power
  – distribution of KI to our local schools in our region through the school board
  – ongoing sustainability work which includes mutual updates and feedback
Emergency Preparedness Cond’t

• Bruce Power and The Municipality of Kincardine worked with both the Catholic and District School Boards to update their Emergency Plans to reflect administration of KI.

• Regional Emergency Interoperability Group established to enhance public safety in Bruce County and surrounding regions.

• ALERT FM Receivers delivered to all households within 10 kilometres to the Bruce Power site.

• Participated in Exercise Huron Resolve, a provincial emergency exercise along with 500 people from 30 municipal, provincial and federal organizations for five-days.
Economic Development

- Bruce Power is a leader in community infrastructure projects.
- To date, many benefits are apparent in our municipality which include:
  - Eight new suppliers relocated into our community since the fall of 2016
  - The new suppliers in the area have created permanent job opportunities for our existing residents
  - Over 40,000 square feet of existing, underutilized commercial and industrial space has been filled to date
  - These suppliers are investing in our local communities and contributing to local charities and events, including an influx to our schools and hospital
- Established the Nuclear Industry Regional Advisory Committee in partnership with Bruce Power to receive regular updates on Bruce Power’s Life Extension Program and supplier expansions.
- Through this channel it allows us to prepare for growth in the community.
Community Outreach

• Bruce Power shares with the Municipality on a regular basis polling that is carried out in the region.

• A survey conducted in the spring of 2017, by Ipsos Reid indicates that the majority of Bruce, Grey and Huron county residents have positive impressions of Bruce Power.
  – The vast majority of residents are most likely to agree that Bruce Power facility operates safely – 93%
  – Overall support for Bruce Power’s Life Extension Program has increased – 85% (compared to 79% in 2014)
  – Positive impressions of Bruce Power continue to be strong – 83% and of those who are familiar with the organization have an ‘excellent’, ‘very good’, or ‘good’ impression

• Physician Recruitment Program established and successful on many fronts.
Corporate Social Responsibility

• Bruce Power continues to support organizations close to home through their Corporate Social Responsibility Program.
• Programs Bruce Power support impact many not-for-profit organizations that continue to benefit our residents.
• Through this program, our Kincardine hospital received a donation of $1 million to support the expansion of emergency services in Kincardine.
• This program continues to support initiatives through the following areas:
  – Indigenous
  – Health and Wellness
  – Community
  – Events
  – Military, Veterans & First Responders
  – Youth Development
  – Environment
Summary

• The Municipality has a very open and regular communication link with Bruce Power on a range of issues and is well informed on a number of issues relevant to this licence application.

• Bruce Power provides effective, transparent communications not only with the Municipality but residents throughout the region.

• A value of Safety First and a commitment to environmental stewardship key performance areas worth outlining.

• Emergency preparedness will continue to be a key area of ongoing collaboration.

• Joint physician recruitment efforts are important to the health of local residents.

• The Municipality supports the 10-year licence renewal application for Bruce Power.
February 12, 2018

Canadian Nuclear Safety Commission
C/o Louise Levert, Secretariat
280 Slater St., Box 1046
Ottawa, ON
K1P 5S9

Dear Commission Secretariat,

As the Mayor for the Municipality of Kincardine, I am writing to formally express my approval and support for Bruce Power’s application for a 10-year licence.

As the host municipality for Bruce Power, we understand and appreciate the strong, independent oversight role the CNSC plays, providing another layer of safety for the nuclear industry, and we thank the commission for the opportunity to provide feedback into this process.

We also appreciate that the results of these independent reviews are available for all Canadians to see, which highlights the transparency of the nuclear industry in Canada.

The dedicated and professional employees of Bruce Power are our neighbours, customers and friends, and it is impossible not to see the integrity, professionalism and commitment to safety they demonstrate individually and collectively each and every day.

The Municipality of Kincardine and Bruce Power have had a positive and collaborative working relationship on a wide range of issues and initiatives since the company was formed in 2001. Regular updates are provided to our councillors and staff from Bruce Power’s Vice-President of Corporate Affairs.

In 2015, we strengthened our ties and signed a memorandum of understanding (MOU) to formalize and continue to build on our already successful working relationship. I’ve attached a copy of the MOU for your review. The purpose is to consolidate a range of activities currently underway between our organizations and to provide additional oversight and reporting made available to the public, which is consistent with the commitment to openness and transparency by all parties.

Since formally signing this agreement, we have made great strides in many areas including, emergency preparedness, economic development and community outreach.

Emergency Preparedness

The nuclear industry’s commitment to community safety was displayed over the past two years to our residents with the pre-distribution of potassium iodide tablets to our neighbours, businesses and schools around the Bruce Power site. This precautionary measure was seen by residents as yet another step to enhance emergency preparedness in the region, and Bruce Power, in conjunction with our municipality and the Grey Bruce Health Unit, delivered this initiative in a way that provided added assurance to our community members.
In conjunction with this, our Municipality and Bruce Power worked with local schoolboards to update their emergency plans and procedures to reflect changes around pre-distribution of potassium iodide. This work was completed in the spring of 2016.

Collectively, a joint website was launched; www.bepreparedgreybrucehuron.com and copies of our Community Safety Guide (which I've included), are distributed annually to residents living up to 50 kilometres from the Bruce site.

Public outreach and sustainability of this initiative continues and our Community Emergency Management Coordinator continues to work with Bruce Power on a regular basis to ensure our residents are informed of enhancements we are making to ensure our community is safe and prepared.

In partnership with Bruce Power, the Municipality of Kincardine delivered ALERT FM Receivers to all households within 10 kilometres to the Bruce Power site. These receivers were issued to the public as a precautionary measure as more residents are becoming more reliant on cellular technology and replacing their land-line phones with cell phones. The intent of the ALERT FM’s is to bridge this gap. The distribution was complete in the spring of 2016.

We are confident in Bruce Power’s ability to response to an emergency and have seen this first hand when our municipality participated in ‘Exercise Huron Resolve’ in 2016. The Municipality of Kincardine along with 500 people from 30 municipal, provincial and federal organizations took part in this five-day exercise to test Bruce Power, the province and municipal emergency services capabilities.

Through regular emergency drills and exercises Bruce Power delivers, and seeing first hand Exercise Huron Resolve, Bruce Power has proven they are prepared and ready to respond.

Economic Development and Impact

Since Bruce Power announced their long-term energy deal with the province, we have seen an economic boon to the area. In our municipality alone we have seen eight new suppliers expand into our community since 2016, bringing new employees into the area and creating permanent job opportunities for our existing residents.

In this short time, we have seen underutilized commercial and industrial space that once sat vacant filled by these suppliers. Our housing market and real estate in the area has been impacted as suppliers are bringing their families here to relocate and integrate into our community.

Bruce Power continues to be a leader in supporting community infrastructure projects and local sponsorship opportunities.

Community Outreach

Regularly, through an independent company, Bruce Power polls our region to obtain residents impressions of Bruce Power. In a survey conducted in the spring of 2017, impressions of Bruce Power remain positive and relatively unchanged among residents of Bruce, Grey and Huron counties. One fact
concluded that 93 per cent of residents surveyed agree the Bruce Power facility operates safely and 92 per cent believe Bruce Power is a good community citizen.

Bruce Power demonstrates good community citizenship on a regular basis to our residents through their Community Investment and Sponsorship Program. Many not-for-profit organizations in our community benefit from the donations Bruce Power makes which ensures these programs continue to run year after year. Through this program, the Kincardine Hospital received a donation of $1 million to support the expansion of emergency services in Kincardine. Since this donation, many upgrades have been completed.

Bruce Power has also been a major factor in the success of the physician recruitment program. This program was initiated at a time when Kincardine was facing a physician shortage. With Bruce Power's partnership we were able to secure a physician recruiter and have successfully signed multiple new physicians to Kincardine. This program is a valuable asset to our community and we continue to achieve in attracting top-notch medical personnel to our area.

The Municipality of Kincardine continues to have full confidence in Bruce Power based on its outstanding safety record, openness and commitment to the surrounding communities. We look forward to continuing our strong relationship with Bruce Power in the years to come.

Thank you,

[Signature]

Anne Eadie
Mayor
Municipality of Kincardine

Attachments:

Memorandum of Understand Between Bruce Power and The Corporation of Municipality of Kincardine and The Corporation of the Town of Saugeen Shores

2017 Community Safety Guide
Memorandum of Understanding

Between

Bruce Power

and

The Corporation of the Municipality of Kincardine

and

The Corporation of the Town of Saugeen Shores

Effective Date: April 13, 2015

BACKGROUND

I. Bruce Power, the Municipality of Kincardine and the Town of Saugeen Shores have had collaborative working relationship since the company was formed in 2001 on a wide-range of issues and initiatives. This has included investments in key community initiatives, regular communications, emergency preparedness, engagement on regulatory items, physician recruitment along with many other areas.

II. The Municipality of Kincardine, located on the shores of Lake Huron in Bruce County, was created in 1999 by the amalgamation of the Town of Kincardine, the Township of Kincardine, and the Township of Bruce. A community integrated by an urban and rural landscape, the Municipality encompasses a land area of 538 square kilometers, and a population in 2011 of 11,174.

III. Saugeen Shores is the fastest growing community in Bruce County, formed in 1999 as a municipal restructuring merging the former Towns of Southampton, Port Elgin, and Saugeen Township. In addition to the two main population centres the Town also includes a vibrant rural agricultural area incorporating the hamlets of Burgoyne and North Bruce, straddling the municipal eastern and southern boundary respectively. With a land area of 170 square kilometers Saugeen Shores had a 2011 population of 12,661, representing a percentage increase of 8.0% from 2006. The permanent population is supplemented with a large number of seasonal, part time residents and vacation visitors particularly over the summer months.

IV. Bruce Power operates the world's largest operating nuclear generating facility and is the source of roughly 30 per cent of Ontario's electricity. The company's site is in Tiverton, Ontario. Formed in 2001, Bruce Power is an all-Canadian partnership among Borealis Infrastructure Management (a division of the Ontario Municipal Employees Retirement System), TransCanada, the Power Workers' Union and the Society of Energy Professionals. A majority of Bruce Power's 4,200 employees are also owners in the business and mostly reside in Grey, Bruce and Huron Counties. Approximately 80% of Bruce Power's 4,200 employees reside in the Town of Saugeen Shores and Municipality of Kincardine.

V. Since 2010, the Municipalities of Saugeen Shores and Kincardine, along with Bruce Power, have collaborated on a joint physician recruitment initiative to attract physicians to both communities.
This joint initiative commenced with a $500,000 contribution by Bruce Power in 2010 to augment well established programs in place in both municipalities. Currently the program, which is supported by a full-time physician recruiter, is jointly funded on an annual basis and is focused on ensuring the community attracts physicians in the short, medium and long-term to both communities.

VI. Bruce Power has arrangements with both the Municipality of Saugeen Shores and Kincardine to meet funding requirements related to emergency preparedness activities and the many requirements of the Provincial Nuclear Emergency Response Plan as per the Emergency Management and Civil Protection Act. Including annual exercises, drills and training.

VII. Bruce Power has an annual Community Investment and Sponsorship budget of $1.3 Million that it primarily directs to a range of initiatives and causes within the broader Bruce, Grey and Huron Region.

VIII. Recognizing the continued expected role of Bruce Power in Ontario’s Long Term Energy Plan the company and Municipalities will work together to determine economic development initiatives and share information on long-term plans related to additional workers that will come to the area to support investment activities.

The parties accept the following non-binding Memorandum of Understanding.

PURPOSE

The purpose of this MOU is provide a framework in which Bruce Power, the Municipality of Kincardine and the Town of Saugeen Shores can build on their successful working relationship over the last 13 years and identify new areas of collaboration.

This includes but is not limited to ongoing communication and information sharing, advance mutually beneficial economic development and infrastructure opportunities, provide input into Bruce Power’s Community Investment and Sponsorship Fund, collaboration on emergency preparedness efforts, support initiatives beneficial to the region, regular updates on site activities and projects and provide input into Bruce Power’s regional outreach activities.

This MOU consolidates a range of activities currently underway between these organizations and provides some additional oversight and reporting on these activities to the public consistent with the commitment to openness and transparency by all parties.

AREAS OF COOPERATION

The parties endeavour to collaborate with each other to develop and implement the following objectives:

a) Continued open, transparent communications between the organizations on issues of common interest.
b) Advancement of mutually beneficial economic development and infrastructure opportunities.
c) Support health care initiatives within the community.
d) Support the requirements of all organizations with respect to emergency preparedness and planning. This will also include the determination of funding requirements on an annual basis.
c) Leverage existing communications tools to provide relevant information to the public on a wide range of issues.

f) Provide input into Bruce Power's outreach regional activities and the company's Community Investment and Sponsorship Program

g) Recognize the benefit to the community of making facilities such as Bruce Power's new fire training facility available to municipal fire departments.

h) Promote an annual scholarship program available to youth in Grey, Bruce and Huron Counties

i) Support advocacy for initiatives that are beneficial to the entire region.

j) Provide a forum to update on activities and projects on the Bruce Power Site to staff

k) Continued participation by the organizations in the Bruce County Mutual Aid Plan and the common sharing of resources during emergency responses in the region.

l) Continued efforts to provide public education regarding nuclear emergency preparedness and a unified message delivered to the communities by the organizations through www.bepreparedgreybrucehuron.com

m) Provision of property and other infrastructure to support Bruce Power's offsite air sampling obligations.

ENGAGEMENT & REPORTING

Bruce Power and the Municipalities of Kincardine and Saugeen Shores will continue to engage to advance these areas of co-operation and a joint steering committee will meet as needed to align and advance these various issues. The steering committee will consist of Bruce Power's Vice-President Corporate Affairs and the Chief Administrative Officers of the Municipality of Kincardine, the Municipality of Saugeen Shores and the Mayors of both communities.

This MOU will be made available to the public on the websites of all participating organizations and an annual report, or updates as deemed necessary, will be published each year on the progress made between the organizations in relation to this MOU.

CHANNEL OF COMMUNICATION AND NOTICES

For the purpose of facilitating the implementation of this memorandum, the single points of contact are:

Town of Saugeen Shores
Lawrence Allison, CAO
600 Tomlinson Drive
Box 820
Port Elgin, Ontario
N0H 0C0
allisonl@saugeenshores.ca

Municipality of Kincardine
Murray Clarke, CAO
1475 Concession 5, RR #5
Kincardine, Ontario
N2Z 2X6
Tel. (519) 396-3018
Email: cao@kincardine.net
Bruce Power
James Scongack
Vice-President, Corporate Affairs
P.O. Box 1540
177 Tie Rd.
R.R. 2,
Tiverton, Ontario
N0G 2T0
(519) 361-3900
james.scongack@brucepower.com

[See Next Page]
The parties have, by their duly authorized representatives, executed this non-binding Memorandum of Understanding on the Effective Date.

Bruce Power L.P., by its General Partner
Partner Bruce Power Inc.
Per: [Signature]
Name: Kevin Kelly
Title: CFO & EVP, Finance & Commercial Services

The Corporation of the Town of Saugeen Shores
Per: [Signature]
Name: Mike Smith
Title: Mayor

The Corporation of the Municipality of Kincardine
Per: [Signature]
Name: Anne Eddie
Title: Mayor
Your personal guide for community safety

2017
EMERGENCY PHONE NUMBERS

POLICE

FIRE 911

AMBULANCE

POISON CONTROL CENTRE ............... 1-800-268-9017

MARINE AND AIR SEARCH AND RESCUE ............... 1-800-267-7270
(By telephone and TTY)

DISTRESS CENTRE

211............................................. 2-1-1

211 is a telephone helpline that provides a gateway to community, social, non-clinical health and related government services. In an emergency, 211 provides various services to assist affected citizens. All phone calls into 211 will be answered by certified specialists, not automated systems. The 211 specialists are capable of serving more than 150 languages, ensuring all citizens will be accommodated. Incoming calls are answered 24 hours a day all year round. In an emergency, 211’s role would be to provide and receive information, which in turn reduces non-emergency calls to 911 and other municipal and government lines. Their relationships with Red Cross, Victim Services, Salvation Army, Crisis Lines, and the Humane Society complement the services they are able to provide.

Crisis Intervention Team (Owen Sound) .... 519-376-2121

Kids Help Phone ......................... 1-800-668-6868

Victim Services

(Grey/Bruce) ................................. 519-376-7474
(Huron) ................................. 519-600-4108
ASSAULT VICTIMS
Sexual Assault Centre
of Grey and Bruce. ..................... 1-800-720-7411

CRIME STOPPERS of Grey Bruce and Huron Inc.
............................................. 1-800-222-TIPS
Crime doesn’t pay – but Crime Stoppers Does

DOCTOR

Enter Local Number

OPERATOR
Dialing Problems? Just dial “0” (zero) and ask the operator to connect you to the required emergency number.
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Would you know what to do if an emergency occurred? Would your child, alone at home after school, know the proper steps to take if the weather suddenly turned threatening?

This Guide has been designed by Bruce Power in partnership with neighbouring counties and health units to help every household in the area prepare for and respond to severe weather or other emergencies which might arise.

Although Canada’s nuclear facilities have proven to be safe and reliable, the industry continually works to improve safety and emergency preparedness, not only on-site but within surrounding communities. This involves preparing for the unexpected, no matter how unlikely the event.

Enclosed in the Guide you will find information on regional emergency preparedness enhancements in the area. The Guide includes information on our ‘Be Prepared’ website, emergency public notification upgrades, a voucher to redeem Potassium Iodide tablets and various locations where you can pick them up.

Preparedness for an emergency could make all the difference in the world to you and those you love. This Guide will help you make that difference.

Please take the time to review its contents.
Steps to Be Prepared

Build an Emergency Survival Kit

Your emergency survival kit should have everything you and your family would need to be safe and take care of yourselves for at least 72 hours immediately following an emergency.

As recommended by Emergency Management Ontario, the following list is broken down into the essentials, items you may need to meet your family’s unique needs, and items to have ready in case you have to leave your home.

What to put in your kit:

**Essentials**
- Food (non-perishable and easy-to-prepare items, enough for three days) and a manual can opener.
- Bottled water (four litres per person for each day).
- Medication(s).
- Flashlight.
- Radio (crank or battery-run).
- Extra batteries.
- First-aid kit.
- Candles and matches/lighter.
- Hand sanitizer or moist towelettes.
- Important papers (identification, contact lists, copies of prescriptions, etc.).
- Extra car keys and cash.
- Whistle (to attract attention, if needed).
- Zip-lock bag (to keep things dry).
- Garbage bags.
- Battery-operated smoke and carbon monoxide alarms.
Special Considerations

- Items for babies and small children – diapers, formula, bottles, baby food, comfort items.
- Prescription medication.
- Medical supplies and equipment.
- Pet food and supplies.
- Any other items specific to your family’s needs.

Extra Supplies for Evacuation

- Clothes, shoes.
- Sleeping bags or blankets.
- Personal items (soap, toothpaste, shampoo, comb, other toiletries).
- Playing cards, travel games, other activities for children.

Other Tips

- Pack the contents of your kit in an easy-to-carry bag(s) or a case on wheels.
- Store your kit in a place that is easy to reach, and ensure everyone in your family knows where it is.
- Your kit does not have to be built overnight. Spread your shopping over a few weeks. Purchase a few items every time you go to the store.
- Your water supply is meant to cover what you would drink as well as what you might need for food preparation, hygiene and dishwashing.
- Women who are breastfeeding are encouraged to continue during emergencies and evacuations. Breastfeeding is a safe and secure source of food and comfort for mothers and babies.
- Check and refresh your kit twice a year – when clocks shift to/from daylight savings time is a good time. Check all expiry dates and replace food and water with a fresh supply. Check batteries and replace as needed.
- Keep your cell phone or mobile device fully charged.
Emergency Evacuation

In the event of a large scale emergency, such as flood, major fire, nuclear or chemical release, it may be necessary to evacuate people from their homes, schools or businesses. These evacuations may last only a few hours or they may last several days.

If you are required to evacuate, the following guidelines will assist you in the process.

When to evacuate:
Do not evacuate unless instructed to do so by provincial authorities. Unnecessary traffic could hamper emergency operations, and exposure to toxic smoke from a fire or exposure to chemicals could put you and your family at risk.

Where to go:
Listen carefully to evacuation instructions as they are broadcast and follow them exactly. Be prepared to take the most direct route or follow an emergency detour route to a major highway and travel away from the area in a safe direction.

For additional information visit: www.emergencymanagementontario.ca
**Turn your radio on**

During any emergency situation, authorities will immediately contact all local radio stations. To receive information, residents should immediately turn on battery/crank-operated radios and tune to:

**AM RADIO:** AM560   AM920

**FM RADIO:** FM91.3   FM93.7   FM92.3   FM94.5
               FM95.5   FM97.9   FM99.3   FM101.7
               FM106.5

Depending on the nature of the emergency, TV broadcast overrides may appear on local channels with warnings and instructions. You are advised, however, to rely on your battery-powered radio, which will broadcast information on both extensive and more localized emergency situations.

**DO NOT TURN YOUR RADIO OFF**
until the official ‘all clear’ has been issued.
Instituting a home fire escape plan is one of the most important actions you can take to protect your own life and the lives of others. The fire department urges you to develop and practice a fire escape plan for your home. Remember, an hour of pre-planning may save your life. Make regular fire drills a family affair.

Develop a home fire escape plan

Our family meeting place is: ________________________________

- **Install smoke and carbon monoxide detectors** outside primary sleeping areas, in sleeping areas and in each level of your home for maximum protection. Test your alarms monthly, and change batteries annually.

- **Install fire extinguishers** in high-risk areas of your home, including the kitchen and furnace area, and make sure everyone knows how to use them. Remember, should you feel uncomfortable about using the extinguisher or fighting the fire, leave immediately.

- **A closed door** provides some protection against fire and fumes. Keep basement or utility room doors closed at all times and close all doors at bedtime.

- **Check your home** for fire hazards and eliminate them as you find them. Your fire department will be glad to advise you on any questions of fire safety for your home.

- **Draw a floor plan** of your home, showing all possible exits from each room. Where possible, plan a main exit route and an alternate exit route from each room.

- If your home has more than one storey, have an **emergency escape ladder** available on upper floors. Make sure all family members know how to use the ladder.

- Make certain that everyone understands that if they hear the smoke detector, or hear someone shouting ‘Fire!’ they should immediately evacuate.
• Decide on a meeting place outside your home. In case of fire, go to the meeting place. Someone should be sent to phone the fire department.

• Do not re-enter a burning building. Make certain that everyone in your home knows. Firefighters are properly equipped and trained to perform rescue operations.

Detect a fire?

You should:

• Raise the alarm. When you detect fire or smoke, shout the warning to other occupants.

• Don’t wait to get dressed. Shoes and one blanket per person will be enough.

• Assign someone to call the fire department after everyone is out.

• Never waste time trying to extinguish anything other than a small fire.

Remember:

• A hot door is a warning. Never open a door without first checking it for heat. If it is warm, leave it closed and go to a window. If you cannot escape from the window, wait by the open window or on a balcony for rescue. Place bedding at door cracks to keep smoke out.

• Heat and deadly gases are the main killers, and even small fires are dangerous. The open staircase may become a chimney, allowing heat or smoke to rise to the highest floor level. If you cannot leave an upper room by a window, close the door and wait by the open window for rescue.

• Tell the firefighters if anyone remains in the building. Leave rescue operations to them.

• Never go back into a burning building for any reason whatsoever. Many lives are lost through the deadly effects of fumes, even in small fires. Never risk a life in an attempt to save personal possessions.
Be Prepared for a Flood

Flood damage costs Canadian taxpayers millions of dollars annually and even more in terms of human lives and suffering. Each of us has a responsibility to protect our homes and families to the best of our abilities. By planning ahead and taking sensible precautions, you can do your part to minimize flood damage.

In case of flood threats or flash flooding, local government authorities try to keep residents informed of developments. Through the media, they will recommend actions to take to limit or prevent disaster and provide detailed instructions, should the need arise.

In case of flood threat:

- Shut off power in premises in immediate danger of flooding. Don’t attempt to do so if the main switch is in a location that has already been flooded.
- Special precautions should be taken to safeguard or minimize damage to electrical, natural gas or propane heating equipment. If warning time permits, consult your supplier for steps to be taken.
- If you suspect that your drinking water has been contaminated stop using it immediately. Contact your drinking water supplier if you are on a municipal system, or inspect and test your own water supply if you are on a private water system. Flood water can be highly contaminated. Bringing water to a rolling boil for 1 minute will destroy bacteria and viruses but will not protect against chemical contamination.

What you should do:

- Turn on the radio and find a local station at AM560, AM920, FM91.3, FM92.3, FM93.7, FM94.5, FM95.5, FM97.9, FM99.3, FM101.7 or FM106.5.
- Have emergency food, water and medical supplies on hand.
- Move furniture, electrical appliances and other belongings to upper
floors. Remove weed killers, insecticides, etc., to prevent pollution.

- Stay calm, stay warm and stay put.
- Have flashlights and candles, as well as extra batteries and matches/lighters.

After a flood:
Emergency and relief workers will provide you with further information on action to take after a flood. Care should be taken when re-entering your home. Make sure the building is structurally safe and watch for holes in the floor, broken glass and other dangerous debris. Flood water may be heavily contaminated with sewage and other pollutants and poses a serious health hazard.

Once flood waters have receded, you should not live in your house until:

- The regular water supply has been inspected and officially declared safe for use.
- Every food contaminated room has been thoroughly cleaned, disinfected and dried.
- All contaminated dishes and utensils have been thoroughly washed or sterilized by either using boiling water or a sterilization solution.
- All food that may have been contaminated by flood waters has been disposed of.
- Adequate toilet facilities are available.
- An inspection is completed by a qualified technician on heating equipment (wood, gas or electric).
Be Prepared for a Winter Storm

The Lake Huron shoreline is notorious for its winter storms. During stormy winter weather the roads across Bruce, Grey and Huron counties can be closed for days. These winter storms leave many people without access to services like groceries and gas, and make it difficult for companies to deliver heating products such as propane and oil.

The Ontario Fire Marshall and Emergency Management recommends the following:

Tips to prepare your vehicle and home

Vehicle:
- Monitor road and weather conditions prior to leaving your home.
- Properly service your vehicle prior to winter and ensure it has quality winter tires.
- Stock each vehicle with a shovel, gravel or sand, sleeping bag, candles, matches, high-energy foods, spare socks, mittens and a hat, a container for melting snow, and a brightly coloured cloth to signal for assistance.

Home:
- Ensure your home has a reliable alternate heat source in case of power interruptions or your fuel tanks run dry. Keep firewood dry and accessible.
- Have a sufficient supply (four litres per person, per day) of drinking water available in case the pipes freeze.
- Have a three-day supply of canned or prepared food in case you can’t use your stove or microwave. Your barbecue can be used as an alternate source, but do not use it indoors.
- Have a fully charged back-up cell phone battery.
If stranded in your vehicle:

- Stay calm. Do not leave your vehicle to seek other shelter unless appropriate shelter is close, visible and obviously inhabited.
- Tie your distress flag to your side mirror or your outside door handle.
- Take steps to stay warm. If your clothing is wet, remove it and replace with dry items from your emergency kit. Wrap yourself in a sleeping bag. If two or more people are in the vehicle, sit close together to share body heat, and if you’re alone, huddle in the fetal position.
- Running your car heater to keep warm should be done only as a last resort. If you must, run it intermittently on low, until fuel runs out. Keep a window open to allow fresh air to circulate. Carbon monoxide poisoning and death could result if your vehicle is tightly shut.
- Exercise regularly enough to stay warm and maintain circulation, but not enough to work up a sweat. Pay particular attention to hands and feet.
- Stay with your vehicle until help arrives.
- If you are travelling and you see a vehicle in distress, call police immediately.

If you are stranded at home:

- Turn the radio to any of local stations AM560, AM920, FM91.3, FM92.3, FM93.7, FM94.5, FM95.5, FM97.9, FM99.3, FM101.7 and FM106.5.
- Stay calm, stay warm and stay put.
- If your regular heating source fails, put on additional layers of clothing and use an emergency heat source (if available).
Tornadoes can occur at any time. Most often they occur in the late afternoon, in late spring or early summer. They are most frequent during moderate summer temperatures, accompanied by high relative humidity.

A **tornado watch** is issued if conditions exist for tornadoes to develop. No tornado has been sighted.

A **tornado warning** is issued if one has been sighted or if radar detects a tornado-like disturbance.

**In case of tornado warning:**

- If you are in the open, seek shelter in a sturdy building. If none is available, be prepared to lie flat in a depression or ditch and hang onto something on the ground like a culvert, large rock or shrub.
- If you are in a vehicle, get away from it and seek the shelter described above. You are safer in the ditch than in your car.
- If you are in a public facility, go to an interior hallway on the lowest level. Avoid large rooms and stay away from windows. Determine who is in charge of the facility and follow their instructions. Your calm, orderly behaviour will set an example for others and help avert panic.
- If you are in a home, head for the basement. Seek shelter under a staircase or sturdy furniture. If you have no basement, go to a bathroom or closet on the lowest floor or seek shelter under sturdy furniture.
- If you are in a mobile home, find a more substantial shelter immediately.
What you should do:

- Turn on the radio and find a local station at AM560, AM920, FM91.3, FM92.3, FM93.7, FM94.5, FM95.5, FM97.9, FM99.3, FM101.7 or FM106.5.
- Assemble all people and pets at the agreed-upon meeting place in the home.
- When a tornado watch is issued, store or secure light items outside, such as garbage cans, bikes, boats, barbecues, etc.
- When a tornado warning is issued, seek shelter, taking the radio and batteries with you. Do not leave this shelter until the ‘all clear’ has been given.
Be Prepared for a Power Outage

Most power outages will be over almost as soon as they begin, but some can last much longer – up to days or even weeks. Power outages are often caused by freezing rain, sleet storms and/or high winds which damage power lines and equipment. Cold snaps or heat waves can also overload the electric power system.

During a power outage, you may be left without heating, air conditioning, lighting, hot water, or even running water. Everyone has a responsibility to protect their homes and to be prepared before it happens.

Before the power goes out:

- Have emergency light sources (flashlights with extra batteries).
- Have at least one traditional (corded) phone in your house or a fully charged back-up cell phone battery.
- If you have an electric garage door opener, make sure there is an emergency handle in place and learn how to operate the door without power.
- Do not open your refrigerator or freezer unless it is absolutely necessary. A refrigerator will typically keep food cold for 4-6 hours and a full freezer approximately 2 days with the doors closed.
- Install surge protectors in your home to safeguard valuable electronic equipment, such as computers and home entertainment systems.
- Know where to find each utility shut off – electricity, water and gas. Know how to turn each utility off and make sure you have the proper tools to do so close at hand.
- If you are on home oxygen or have any other life-sustaining equipment in your home, contact the service provider to learn the details of their emergency contingency plan in the event of a power outage.
- Make sure you have at least one vehicle with no less than half a tank of fuel.
During a power outage:

- Check to see if your neighbours have power. If you are the only home without electricity, check the main fuse in your electric service panel or fuse box to see if the main circuit breaker has been tripped or if a fuse has blown.
- Turn off all major non-essential appliances such as your electric range and washer/dryer. Appliances and tools left switched on will start up automatically. Turning them off prevents injury or fire.
- Turn off all lights but one (so you can tell when power has been restored).
- Unplug sensitive electronic equipment. This will reduce the chance of damage due to electrical surges once power has been restored.
- Keep your refrigerator and freezer doors closed to preserve the cold inside.
- If you light candles, use candleholders and never leave burning candles unattended.

When power is restored:

- Turn on only the most essential appliance first to give the electrical system a chance to stabilize. Wait 10 to 15 minutes before reconnecting other appliances.
- Check your fridge and freezer to ensure they are back on. Follow Health Unit Guidelines to determine if food may be at risk of spoilage (as some may not be visibly spoiled).
- Don’t forget to reset your clocks, timers and alarms.
- Replace any items from your Emergency Kit which you may have used so you are prepared for future emergencies.

Use of home generators:

Home generators are handy for backup electricity in case of an outage, but must only be used in accordance with the manufacturer’s guidelines. A back-up generator may only be connected to your home’s
electrical system through an approved transfer panel and switch that has been installed by a qualified electrician.

Never plug a generator into a wall outlet as serious injury can result when the current produced by the home generator is fed back into the electrical lines, and transformed to a higher voltage. This can endanger the lives of utility employees working to restore the power.

**To operate a generator safely:**

- Follow the manufacturer’s instructions.
- Ensure that the generator operates outdoors in well-ventilated conditions, well away from doors or windows, to prevent exhaust gases from entering the house.
- Connect lights and appliances directly to the generator. If extension cords must be used, ensure they are properly rated, CSA-approved cords.
- Use battery-operated smoke alarms and carbon monoxide alarms when using a portable generator.
Ontario is prepared to respond to nuclear emergencies both provincially and internationally. Bruce Power’s CANDU reactors have independent emergency shutdown systems that provide layers of protection against a nuclear emergency occurring on site. The company has spent considerable time and money in adding additional ways to cool the reactors should a loss of power occur at the station and the layers of back-up power fail to work as well.

Although a nuclear emergency situation on the Bruce site is highly unlikely due to the depth of defence at Bruce Power, a detailed emergency plan has been formulated by the Municipality of Kincardine, the Office of the Fire Marshall and Emergency Management (OFMEM) and Bruce Power.

**Nuclear Emergency**

Due to the proximity of Bruce Power, both The Municipality of Kincardine and the Town of Saugeen Shores each have detailed nuclear emergency plans for their municipality.

Residents within 10 kilometres of Bruce Power would be notified by the municipality, through a telephone alert system, ALERT FM Receivers and public sirens in the unlikely case of a nuclear emergency, and directed to take actions such as sheltering indoors, evacuating and/or taking Potassium Iodide tablets.

*If you’re instructed to take potassium iodide:*

- Potassium Iodide (KI) tablets are to be taken only when instructed by the Ontario Medical Officer of Health in the unlikely event of a nuclear incident involving a release of radioactive iodine.
- Potassium Iodide protects the thyroid from absorbing radioactive iodine but does not shield or protect from other types of radiation.

Please read the important message on Potassium Iodide Distribution on page 20-21 to learn more about this initiative.
If you’re instructed to shelter indoors:

- Go into your home or workplace. If necessary, inform other people to do the same.
- Close all doors and windows.
- Turn off furnaces, air conditioners and any other air intake/exhaust mechanisms.
- Gather your family and your personal emergency kit.
- Stay tuned to designated radio stations for further instructions.

It is important you do not evacuate unless instructed to do so. If you are instructed to evacuate:

- Turn on the radio and find a local station at AM560, AM920, FM91.3, FM92.3, FM93.7, FM94.5, FM95.5, FM97.9, FM99.3, FM101.7 or FM106.5.
- Take your previously packed 72-hour emergency kit, ensuring it has plenty of clothing, necessary medications and personal care items. Take money and credit cards with you.
- Turn off furnace, air conditioning and other air intake mechanisms.
- Close and lock all windows and doors.
- If directed, report to the Municipal Reception Evacuation Centre (Kincardine Davidson Centre – 601 Durham St., Kincardine).

Traffic will be directed along an evacuation route. For your safety, close the windows, shut off all ventilation in the car and listen to the radio for further instructions.
For residents living near the Bruce Power site

<table>
<thead>
<tr>
<th>Sector</th>
<th>Evacuation Route out of the Area</th>
<th>Reception/Evacuee Centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2, 3, 6</td>
<td>Hwy #21 (S) or Bruce Rd #23 (S)</td>
<td>Kincardine Davidson Centre 601 Durham St., Kincardine</td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>Hwy #21 (S)</td>
<td></td>
</tr>
</tbody>
</table>

**Detail Map**

[Map showing evacuation routes and reception centers in Kincardine]
A message for residents on Potassium Iodide Distribution

Bruce Power in partnership with the Grey Bruce Health Unit and regional municipalities have made Potassium Iodide (KI) tablets available to all residents, schools and businesses within a 50 kilometre (km) radius of Bruce Power.

Potassium Iodide has always been available to residents free of charge. This initiative, advocated by The Canadian Nuclear Safety Commission (CNSC) to pre-distribute Potassium Iodide to residents will replace the old practice of having the tablets stored at one central location at the Municipal Reception Evacuation Centre in Kincardine.

Potassium Iodide, when taken as instructed, blocks the thyroid from radioactive iodine in the unlikely event of a radiation release.

For all residents, schools and businesses within a 50 km radius to Bruce Power, distribution pick-up points have been made available for you to pick up tablets should you choose.

Enclosed on page 32 is a voucher for you to take to any of the following participating locations to redeem your tablets.

Arrangements have been made to have packages of Potassium Iodide available for you to pick up free of charge at any of the following locations:

- **Hanover Pharmasave** – 118 7th Ave. Hanover, ON
- **Gordon’s Pharmasave** – 766 Queen St. Kincardine, ON
- **Lucknow Pharmasave** – 622 Campbell St. Lucknow, ON
- **Stewarts Pharmacy** – 1024 ON-9, Mildmay, ON

continued on next page...
**Guardian Pharmacy** – 514 Queen St. S. Paisley, ON

**Wardrop Pharmasave** – 639 Goderich St. Port Elgin, ON

**Sauble Family Health Team** – 672-B Main St. Sauble Beach, ON

**Mino Bimaadsawin Health Centre** – For members of Saugeen First Nation – 57 Mason Dr. Southampton, ON

**Bruce Power Visitors’ Centre** – 3394 Bruce Road 20 Tiverton, ON

**Brown’s Guardian Pharmacy** – 331 Durham Street, Walkerton, ON

**Pellow Pharmasave** – 232 Durham St. East, Walkerton, ON

Additional pick-up locations and communications will be made available throughout the year and can be viewed online at [www.bepreparedgreybrucehuron.com](http://www.bepreparedgreybrucehuron.com).

If you require further information please call 519-361-2771 or email aboutki@brucepower.com.

This initiative is one of many to continually enhance emergency preparedness in the region. It is all about a safe community becoming safer.
Potassium Iodide Facts

In the unlikely event of a nuclear incident involving a release of radioactive iodine, one of the health risks is a possible internal exposure of the thyroid gland to radioactive iodine. One way to protect the thyroid from the harmful effects of radioactive iodine is to take potassium iodide (KI). The following are some commonly asked questions about KI tablets.

Q. What is KI?

A. KI (the chemical name for potassium iodide) is a salt of stable (not radioactive) iodine. Stable iodine is an essential nutrient needed in very small quantities for the thyroid gland to function properly. KI comes in tablet form and can be easily swallowed.

Q. How does KI work?

A. When swallowed just prior to or shortly after exposure to radioactive iodine, KI fills up the thyroid with stable iodine so it cannot absorb any other iodine for a period of time. This prevents the thyroid from absorbing harmful levels of radioactive iodine so that the radioactive iodine will not accumulate, and the body will naturally excrete it. This process is also called iodine thyroid blocking.

The thyroid gland does not know the difference between non-radioactive and radioactive iodine and can absorb both. Absorption of harmful levels of radioactive iodine can increase the risk of thyroid cancer later in life, especially in children.

Q. Can KI be used to protect against all forms of radiation?

A. No. KI provides protection only to the thyroid gland and only against internal contamination from radioactive iodine. Radioactive iodine may be found in emissions from nuclear generating stations during an incident. KI will not protect against exposure to other contaminants contained in those emissions.
Q. When should I take KI and how will I know to take it?

A. If possible, KI should be taken before exposure to radioactive iodine during a nuclear emergency. The optimum time is two to six hours earlier. If that is not possible, KI should be taken as soon as possible after first exposure, ideally within three hours. There is no benefit to taking KI if there has been a 24-hour delay.

If there is a threat of a significant exposure to radioactive iodine from a nearby nuclear generating station, the Chief Medical Officer of Health for Ontario will provide instructions through radio, TV, Internet and other available channels on where, when, and by whom KI should be taken.

KI is only to be used during an emergency and when instructed to do so by the Ontario Medical Officer of Health.

Q. How long are KI tablets good for? How should they be stored?

A. The expiry date is printed on the label of the KI packaging. The KI tablets should be kept sealed at room temperature and away from light.

Q. Are there any side effects from taking KI?

A. The risk of side effects from taking a dose of KI is extremely low for all age groups who have normal thyroid function. The overall benefit during a nuclear emergency outweighs the risks of side effects.

There is an increased risk of side effects for people with thyroid disorders i.e., auto-immune thyroiditis, Graves’ disease, iodine deficiency and nodular goiter. These disorders are more common in adults and the elderly and are rare in children.

Rare side effects in other parts of the body, such as gastrointestinal effects or hypersensitivity reaction may occur but are generally mild. People who are sensitive to iodine or who have an existing or previous thyroid disorder or any other concerns should consult their doctor or nurse practitioner prior to taking KI.
Q: Who benefits most from taking KI?

A: Pregnant and breastfeeding women, infants, children and adolescents should be among the first to receive KI as they are at higher risk for developing thyroid cancer after exposure to radioactive iodine.

Q: What if I have a family member who cannot swallow a KI tablet?

A: Adults and young children who are unable to swallow a KI tablet can either crush the tablet into food or dissolve in fluids.

The above section provides basic information only and is sourced from Ontario Ministry of Health and Long Term Care and Health Canada websites. This information must not take the place of medical advice, diagnosis or treatment. Always talk to a health care professional about any health concerns you have and before you make any changes to your diet, lifestyle or treatment.
More information on potassium iodide can be found online:

Provincial OFMEM
www.ontario.ca/page/emergency-information

Ministry of Health and Long Term Care
www.health.gov.on.ca

Health Canada
www.hc-sc.gc.ca

Grey Bruce Public Health
www.publichealthgreybruce.on.ca

Be Prepared Grey Bruce and Huron
www.bepreparedgreybrucehuron.com

Contact us:

📞 519-361-2771

✉️ aboutki@brucepower.com
Community Emergency Management

The Community Emergency Management Coordinator for Kincardine maintains a call-down list for all households (approximately 35-40) within a three kilometre radius of Bruce Power’s perimeter in case action, such as sheltering or evacuation, is necessary.

An Emergency Plan, including designated emergency evacuation routes and zones, can be found on the Municipality of Kincardine’s website.

Public Sirens:

Annually, Bruce Power and the Municipality of Kincardine conduct a full-volume test of the nuclear emergency public alerting sirens that are used to notify nearby residents of a nuclear emergency. The sirens are located within three kilometres of Bruce Power and operate simultaneously for two minutes.

Emergency Preparedness Enhancements:

Bruce Power is always looking for ways to enhance emergency preparedness on-site and within the community. A state-of-the-art Emergency Management Centre is in place which provides designated crews, trained in Incident Management, with a system of standardized organizational structure. The Incident Management system allows staff to communicate externally and monitor on-site activities.

ALERT FM Radio Receivers:

In 2015, the Municipality of Kincardine delivered ALERT FM Receivers to households within 10 kilometres of the Bruce Power site. With an increasing trend of people becoming more reliant on cellular technology and replacing their land-line phones with cell phones the ALERT FM Receiver will help to bridge this gap.
The ALERT FM receiver uses local FM radio frequencies to send out a text message that is fed by satellite. The ALERT FM is connected to the National Alert Ready Alerting System which broadcasts ALL threat to Life Alerts with an audible alert and text message within seconds. It’s important to read the message and take the appropriate action.

Government officials developed a specific list of the types of alerts that are considered a threat to life and should be “broadcast immediately.” Below is a complete list and description of these alerts.

- Fire
- Natural
- Biological (may include: chemical, biological, radiological, drinking water contamination)
- Hazardous Materials
- Environmental
- Terrorist Hazard
- Civil (may include: civil emergency, amber alerts, animal danger, 911 service disruption)
- Administration (notification of testing alerts)

To request an Alert FM please contact:
Frank Merkt, Municipality of Kincardine, Community Emergency Management Coordinator (CEMC)
519-396-2141 ext. 4
kinfirecemc@bmts.com

To learn more visit:
www.theweathernetwork.com/alert-ready#alert-types
Kincardine Emergency Management is requesting all permanent residents, seasonal property owners and businesses in the Municipality of Kincardine to self-register with the ERMS mass notification system.

The system will allow the emergency operations centre to quickly notify residents of adverse situations in the municipality.

Self registration is free. However a cost from cell phone providers may be applied.

To register, follow the link provided and submit any phone numbers (land lines or cell phones) and/or an email address. All information gathered is secure with ERMS. At any time, you may opt-in or out.

www.kincardine.net/erms.cfm

(Please ensure that cookies are enabled on your device or you be unable to register.)

Select one of the following:

- **Mokresidents** – all municipality of Kincardine residents
- **10kmbrucepower** – all those residents within 3km to 10km of Bruce Power site.
- **3kmbrucepower** – all those residents within 3km of the “Bruce Power site.

Personal information is collected under the authority of the **Municipal Act, 2001** for the purpose of creating a record to be used for sending notifications in an emergency. Questions about the collection of the personal information may be addressed to:

The Clerk of the Municipality of Kincardine
1475 Concession 5, R.R. 5, Kincardine ON, N2Z 2X6
Phone: 519-396-3468
POTASSIUM IODIDE TABLETS (KI)

Voucher

CONTACT INFORMATION
First and last name: (please print)

__________________________________________________________
Postal code:

__________________________________________________________

This voucher can be redeemed at any of the locations on the reverse side of this page.

www.bepreparedgreybrucehuron.com
www.publichealthgreybruce.on.ca

RESIDENCE WITHIN 50 KM RADIUS
Potassium Iodide (KI) tablets are available at the following locations:

**Hanover Pharmasave** – 118 7th Ave. Hanover, ON

**Gordon’s Pharmasave** - 766 Queen St. Kincardine, ON

**Lucknow Pharmasave** – 622 Campbell St. Lucknow, ON

**Stewarts Pharmacy** – 1024 ON-9, Mildmay, ON

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**Bruce Power Visitors’ Centre** – 3394 Bruce Road 20 Tiverton, ON

**Brown’s Guardian Pharmacy** - 331 Durham Street, Walkerton, ON

**Pellow Pharmasave** – 232 Durham St. East, Walkerton, ON

Please complete your voucher and bring it to any of the participating locations above to redeem your tablets.
DON’T WAIT FOR AN EMERGENCY – BE READY IN ADVANCE:

Although an emergency is very unlikely, the best response is a prepared response. Take a moment now to review the map on page 20 and complete the following:

For additional information on emergency preparedness in your region:

visit www.bepreparedgreybrucehuron.com or contact your local municipality.
To request additional copies or an alternate format of this document, visit your local municipality, send a request to aboutki@brucepower.com or phone 519-361-2771.