



Bruce Power

Sustainability Report

“In October 2018 the IPCC issued a special report on the impacts of global warming of 1.5°C, finding that limiting global warming to 1.5°C would require rapid, far reaching and unprecedented changes in all aspects of society, the IPCC said in a new assessment. With clear benefits to people and natural ecosystems, the report found that limiting global warming to 1.5°C compared to 2°C could go hand in hand with ensuring a more sustainable and equitable society. While previous estimates focused on estimating the damage if average temperatures were to rise by 2°C, this report shows that many of the adverse impacts of climate change will come at the 1.5°C mark.”

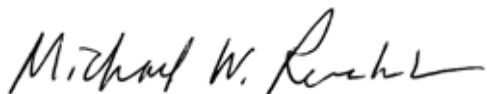
**Intergovernmental Panel
on Climate Change**
October 8, 2018

On behalf of everyone involved in the daily operations of Bruce Power, welcome to our Sustainability Report.

We take very seriously our responsibility to provide clean energy, especially at such a pivotal time for our climate not only here in Ontario, but across Canada and around the world. We have a duty to ensure our decision-making process incorporates environmental, social, cultural and economic systems, and that we allow future generations to meet their needs. We are committed to minimizing our environmental footprint.

In the words of the United Nations, “Climate change is the defining issue of our time and we are at a defining moment....Without drastic action today, adapting to these impacts in the future will be more difficult and costly”. For Bruce Power, taking drastic action means staying true to our core values, working with all of our stakeholders and partners, and embracing innovation to find new ways for nuclear energy to combat climate change moving forward.

This report gives you a look at what we’re doing today, and what lies ahead.

A handwritten signature in black ink, reading "Michael W. Rencheck". The signature is fluid and cursive, with a long horizontal stroke at the end.

Mike Rencheck
Bruce Power President and CEO

Since Bruce Power was formed in 2001, the company has been focused on innovation by returning our site to its full operating potential, securing billions of dollars of investment in public assets, and playing a major role in moving the Province of Ontario off coal-fired generation.

As a result, Ontario is the only jurisdiction in North America to phase out coal generation and Bruce Power is proud to have provided 70 per cent of the energy needed to achieve this goal in a way that also provides reliable, stable electricity prices.

We are proud of our commitment to not only being a low-cost provider of electricity and investor in Ontario, but also being an organization that embraces sustainability in everything we do. Over the past 18 years, we have worked hard to make a positive contribution to not only the province we operate in but the communities in which we live and doing so in a way that protects our environment.

There has been a longstanding debate about the tension between environmental and economic factors related to policy around energy. We see our role as doing both and that's what people expect of us. We can grow our economy by generating low-cost electricity and create jobs and growth while still protecting our environment. That's our commitment at Bruce Power.



James Scongack
Executive Vice-President, Corporate
Affairs & Operational Services





About Bruce Power

Bruce Power is a Canadian-owned partnership of TC Energy, Ontario Municipal Employees Retirement Systems (OMERS), the Power Workers' Union and The Society of United Professionals. A majority of our employees are also owners of the business.

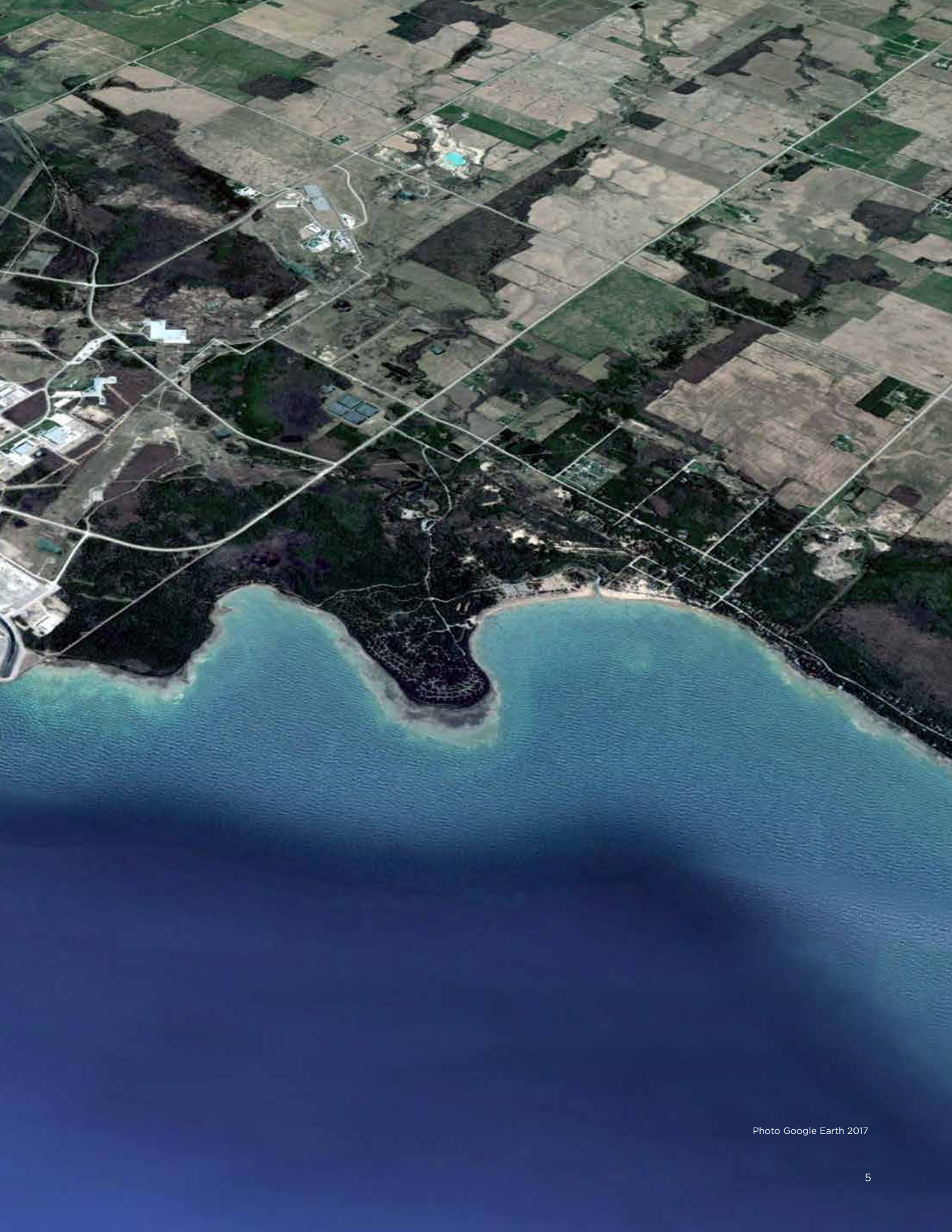
Established in 2001, Bruce Power is Canada's only private sector nuclear generator, annually producing 30 per cent of Ontario's power at 30 per cent less than the average cost to generate residential power.

Ontario's Long-Term Energy Plan is counting on Bruce Power to provide a reliable and carbon-free source of affordable energy through 2064. To do so, Bruce Power has signed a long-term agreement with the province to refurbish six of its eight units, investing \$13 billion private dollars into these publicly owned assets. Bruce Power's Life-Extension Program will create and sustain 22,000 jobs annually while injecting \$4 billion into Ontario's economy each year.

Bruce Power employs more than 4,000 people and, over the past 15 years, has been one of the largest investors in Ontario's electricity infrastructure, providing billions in private dollars to the Bruce Power site — which continues to be owned by the

province. The site is leased under a long-term arrangement where all of the assets remain publicly owned while Bruce Power funds all infrastructure upgrades, makes annual rent payments, and pays for the cost of waste management and the eventual decommissioning of the facilities.

The site is located on the eastern shore of Lake Huron near Tiverton, Ontario, within the traditional lands and treaty territory of the people of the Saugeen Ojibway Nation (SON), which includes the Chippewas of Nawash and Saugeen First Nation. Bruce Power is dedicated to honouring Indigenous history and culture, and is committed to moving forward in the spirit of reconciliation and respect with the Saugeen Ojibway Nation (SON), Georgian Bay Métis Nation of Ontario (MNO) and the Historic Saugeen Métis, and to leading by example in this community and industry.



Our Focus Areas & Approach

Bruce Power is dedicated to connecting with the community in an open, transparent and meaningful way. We are committed to conducting business ethically, respectfully, safely and with professionalism at all times. The company values guide Bruce Power's everyday actions while respecting the bounds of commercial confidentiality and disclosure obligations of its listed partners.

Bruce Power strives to maintain a positive working relationship with those who have an interest in our business and is committed to open communications with community members, Indigenous communities and stakeholders, including local residents, government representatives, charities, service clubs, schools and students.

Our frequency of interactions is tailored to each community, individual or groups interests. Over the years Bruce Power has conducted public attitude research to gauge the potential effects on the general public of large-scale activities occurring on site, such as refurbishment and the restart of reactor units which have been ongoing since 1997 (prior to Bruce Power taking over the site in 2001). These types of evolutions included the restarting of Units 3 and 4 in 2003 and 2004 respectively, and the refurbishment of Bruce A Units 1 and 2 to extend their lives out to 2043.

As part of the environmental assessment processes for the refurbishment and restart of Bruce A Units 1 and 2 and the ERA to support the Major Component Replacement (MCR) program, Bruce Power has undertaken public attitude research. Our most recent research occurred during

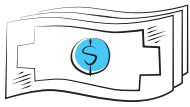
2016 and 2017 to gauge impacts of previous construction activities, and any anticipated concerns attributed to the proposed MCR program. At a more detailed level the research also collected information on such things as:

- People's attitudes towards their community;
- Residents' typical use of community facilities, resources and amenities; and
- Gauging the success of Bruce Power in addressing questions people have about its activities at the site and identify ways in which to ensure a continued positive relationship with the community.

More than 500 phone interviews took place each year, and were distributed amongst Kincardine, Saugeen Shores, Arran-Elderslie, Brockton, Northern Bruce Peninsula, South Bruce, South Bruce Peninsula, and Huron Kinloss.

Through these studies we are able to also identify key areas of interest externally as a business. Three key community issues continue to exist since 2005, with the concern around these issues generally lessening over time, with the exception to housing.

The three key community issues identified were:



ECONOMIC AND EMPLOYMENT ISSUES

This remains a top public issue across Kincardine, Saugeen Shores and other Bruce County communities

In 2016, Bruce Power and the County of Bruce partnered to launch the Nuclear Economic Development and Innovation initiative. Given the company's multi-billion dollar investment program, it is important that the local communities are engaged and the local opportunities of this investment are leveraged across the region.

To date, more than 57 suppliers are having a local impact creating local jobs and career opportunities.



HEALTH CARE/DOCTOR SHORTAGE

This remains a top issue in both Kincardine, Saugeen Shores; less dominant in Bruce County.

Bruce Power has partnered with the municipalities of Saugeen Shores and Kincardine to successfully attract new physicians to our communities.

We believe that access to health care is an essential element to a vibrant, sustainable local community. This commitment, through the hiring of a full-time Physician Recruitment Specialist in 2010, has provided the opportunity to expand the physician search throughout Canada and the U.S. with great success. Since the inception of the partnership, we have seen the relocation of a number of full-time emergency room and family physicians, as well as a general surgeon, to the area. For more info visit www.physicianquest.ca.



INCREASED COST OF LIVING AND HOUSING

In August 2019 we announced a partnership with the Municipality of Kincardine to support Bruce County Housing Corporation's 35 new residential units in the municipality. The new development provides more accessible and affordable housing for existing residents and people moving to the Kincardine area.

The development includes a new service hub for Bruce County's Human Services department, which aligns with the County's strategic direction to improve efficiency and services to its residents.

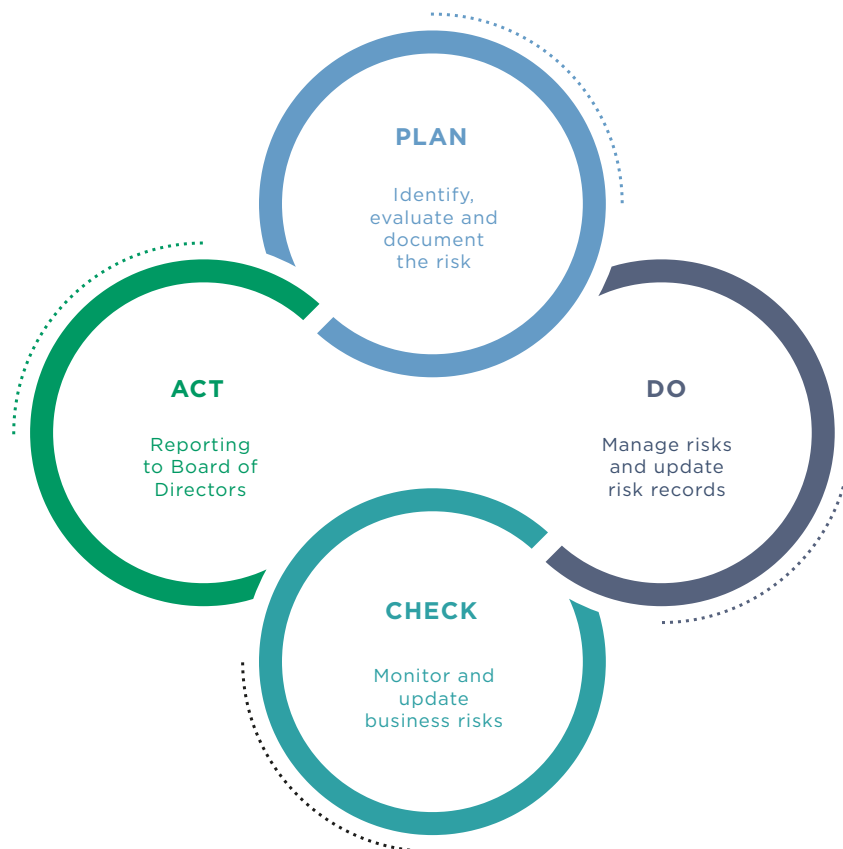
MATERIALITY

Material metrics are those that are relevant to an organization. They are metrics that have linkages to identified significant economic, environmental and social impacts; a metric will also be heightened if it is a concern to stakeholders or partners.

Within Bruce Power

At Bruce Power we identify material risk via our Business Risk Management Process which identifies, assesses, manages and monitors risks against the company's overall business plan. From this process standpoint, business risks are emerging and demonstrable or changes to assumptions that could overall impact the success of the business objectives and results. Risks are looked at as either negative (threats) or positive (opportunities). These risks are reviewed and monitored by our Senior Executive Team. Top-level risks are reported on a set frequency to the Board of Directors.

Risks are identified using a Plan – Do – Check – Act management system framework. Every risk that is identified is evaluated using a criteria combination of financial impacts, operational excellence and improvement, public and reputational impact, regulatory compliance and our four pillars of safety: reactor, radiological, personal/industrial and environmental.



THE UNITED NATIONS' 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries — developed and developing — in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth — all while tackling climate change and working to preserve our oceans and forests.

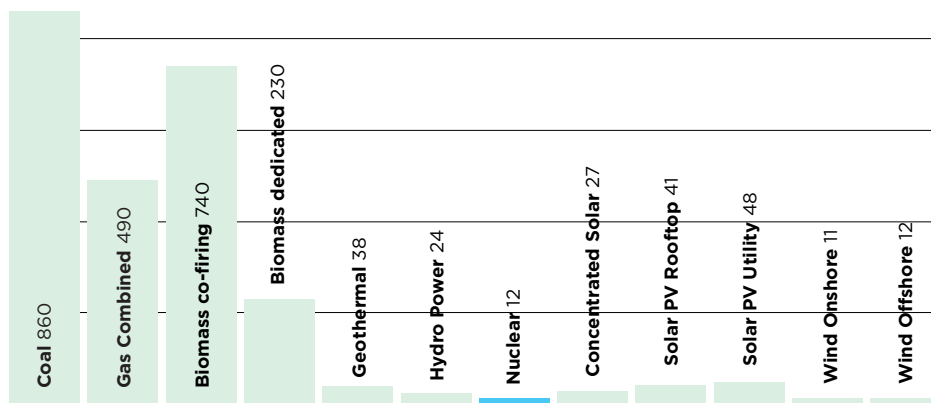
As part our sustainability strategy, we reviewed the United Nations Sustainable Development Goals (SDGs) to understand which were relevant to our business and how we could connect them to our ongoing sustainability efforts, as well as identify areas of continued opportunity to grow our strategy and be a global contributor within this area.

Following this process, we identified eight SDGs that Bruce Power can have the greatest impact within each of our areas of focus.

No Poverty
Good Health & Well-Being
Gender Equality
Affordable & Clean Energy
Decent Work & Economic Growth
Responsible Consumption & Production
Climate Action
Life on Land

We wanted to acknowledge that the goal of Life Below Water did not relate to Bruce Power as it focuses on oceanic aquatic ecosystems, and our facility interacts on a freshwater ecosystem so we are unable to claim relevance towards influence on this indicator. We do, however, take significant efforts to ensure the protection of Lake Huron, rivers running into the lake as well as the broader Great Lakes ecosystem. These efforts are identified within our environmental area of focus.

We plan to use the SDGs to help guide our ongoing efforts.



Lifecycle emissions of electricity supply technologies (gCO₂eq/KWh)



Our Environment

We recognize our business has direct and indirect interactions with the environment. Ensuring these take place with no significant adverse environmental effects and ensuring environmental protection has been a focus of our business since it was formed in 2001.

BRUCE POWER COMMITS TO:

- Complying with relevant legislation, regulations and other requirements;
- Minimizing our environmental footprint in pursuit of target net zero by preventing pollution in the area of emissions, spills, waste and reducing impacts on the environment;
- Managing our environmental footprint by protecting, conserving and restoring our resources through energy conservation, reducing water consumption and by reusing or recycling materials;
- Adopting applicable best industry standards and requirements of ISO 14001 as a framework of achieving continual improvement and sustainable performance excellence;
- Integrating environmental safety into our nuclear safety culture to promote and ingrain a sense of environmental responsibility beyond compliance;
- Conducting open and transparent communication with partners, Indigenous groups and awareness at work, in our communities and across Ontario, and;
- Leading by example through the application and practice of sustainability principles by incorporating environmental, social and economic considerations in decision making

OUR SITE

Bruce Power is home to a naturally diverse environment that contains more than 235 species of plants and more than 270 species of wildlife. The wildlife includes 150 bird species, 15 kinds of reptiles and amphibians, 15 types of mammals and 90 varieties of fish.

Our Environmental Management System provides us with the necessary tools and programs to protect native species of plants and wildlife and the habitats that support them.

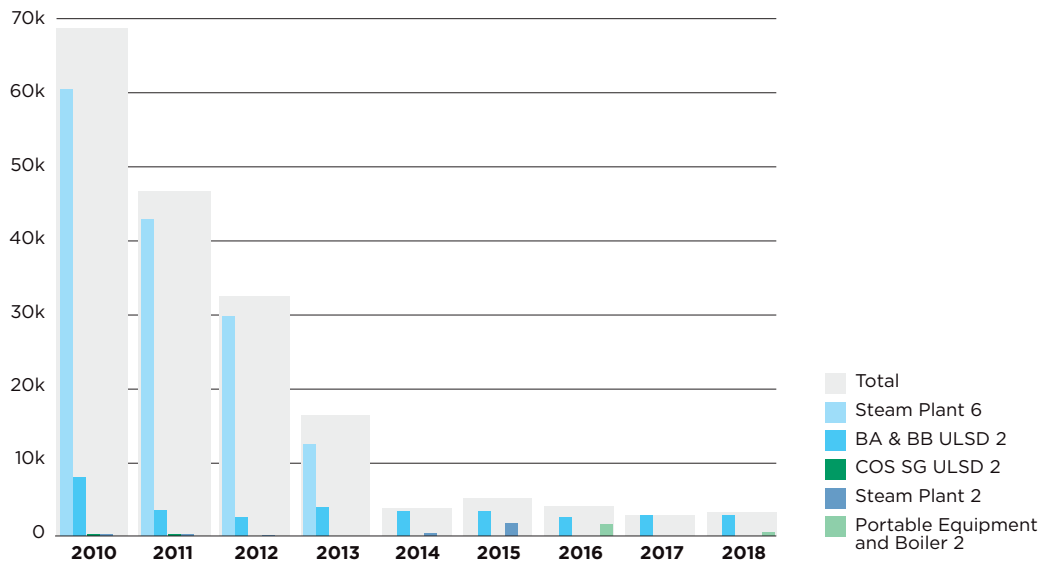
Some of our biodiversity initiatives include:

- Deterrents to ward off fish from station cooling water intakes
- Restorative tree planting in sensitive areas off-site.
- School environmental education programs
- Improvements to natural animal habitats
- Construction of an eight-hectare wetland to manage storm water and provide additional wildlife habitat
- Smallmouth bass surveys
- Participation in the Lake Huron whitefish population study
- Protection of sensitive wetlands and habitats in the area.



ENERGY CONSERVATION

While we are a large producer of nuclear energy, Bruce Power is also a consumer. We are continually looking at our electricity usage on site and identifying ways to conserve. Energy conservation plays a part in the construction of new buildings and upgrades to existing ones around the Bruce Power site. That includes moving to LED lighting, which reduces kilowatts/hour usage. Replacing the lights at the main entrance with higher-efficiency street lights has also contributed to annual reductions in energy consumption since 2016.



GHG Emissions Trending

EMISSIONS

Air Emissions

In Canada, and around the world, almost 80 per cent of Greenhouse Gas (GHG) emissions from human activities come from energy-consuming activities such as transportation, energy and electricity production, heating and cooling of buildings, operation of appliances and equipment, production of goods, and the provision of services.

To support this transition and to reduce GHG emissions, Canada has committed to phasing out its coal-fired electricity power plants by 2030. Canada has reduced its coal consumption by 24 per cent since 1990, and by 41 per cent since 2000.

Nuclear power plays a critical role in meeting the energy and air quality needs of the province every day.

All electricity generation technologies emit greenhouse gases at some point in their lifecycle, creating a carbon footprint. Fossil-fuelled generation has a high carbon footprint, with most emissions produced

during plant operation. Nuclear and renewable generation generally have a low carbon footprint because most emissions are caused indirectly, such as during the construction of the technology itself.

Greenhouse Gas Emissions

Accurate tracking of GHG emissions is an important part of assessing Canada's overall environmental performance. In March 2004, the Government of Canada announced the introduction of the Greenhouse Gas Emissions Reporting Program (GHGRP) which collects information on greenhouse gas emissions annually from facilities across Canada. In 2017, the Federal threshold for reporting GHG emissions dropped from 50,000 tonnes CO₂e to 10,000 tonnes CO₂e, aligning with provincial thresholds.

GHG releases on site have trended downwards due to the Bruce Steam Plant (BSP) shutdown strategy. The Steam Plant operated in 2015 to supplement the Vacuum Building Outage at Bruce B and was permanently shut down in December 2015 when the stack was removed.

MATERIALS AND WASTE

Climate change affects every country on every continent. It is disrupting national economies and impacting lives, costing people, communities and countries dearly today and even more tomorrow. How can we help respond to climate change? Two ways are to reduce our waste, and to be more thoughtful about what we buy and choosing a sustainable option whenever possible.

Bruce Power manages many different forms of waste, including:

- Radioactive
- Hazardous (oils, chemicals, lighting lamps and ballasts — some of which are recyclable)
- Recyclables (glass, cardboard, plastic, paper, metal, wood, batteries and electronics)
- Organic (compost)
- Landfill

Bruce Power manages and fully funds storage and disposal of its radioactive waste in partnership with Ontario Power Generation (OPG). We comply with all waste regulations and requirements of the relevant Federal, Provincial and Municipal authorities. Further, Bruce Power has taken an active role for many years to reduce all forms of waste. In fact, a 1" cube is the amount of radiological waste you would produce using only nuclear power for one year. From an environmental and financial standpoint, waste reduction is good for our company and for the communities we touch. Our philosophy employs a whole lifecycle approach in that we reduce waste at the consumer level, generate less waste at the company level, find opportunities to reuse products (on-site, off-site donations, auction), and implement recycling programs that are available in the ever-changing recycling market.

To minimize the amount of waste sent to landfill each day, Bruce Power has implemented a number of initiatives that apply the principles of reduce, reuse, recycle and recover. Wherever its fate, each waste stream generated at Bruce Power is processed and disposed of in a safe and environmentally responsible manner.

The current key goals for Bruce Power are:

Achieve waste diversion rate of 86 per cent by January 2020. In 2018, Bruce Power generated an estimated 1,959 tonnes of waste (disposed, composted and recycled). An estimated 1,396 tonnes were recycled or composted, and 563 tonnes were sent to landfill for a 71 per cent diversion rate. This works out to 655.3 kilograms of waste daily and 3,834 kg of recycling daily.

Reduce total waste generated (garbage and recycling) per employee by five per cent from 2016 baseline year by January 2020.

With a total of 8,810 full-time employees in 2018, the current waste in kilograms generated per employee is 217 kg/year. This is below the 2016 baseline of 468 kg/employee/year with a total of 4,046 employees.

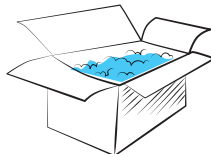
Reduction of recyclables in the waste stream to no more than 40 per cent of waste composition by January 2020.

In 2018, Bruce Power had 60 per cent of the waste stream made up of recyclables. Over the course of 2019, we have continued to focus on enhancing communication of recyclable reductions across site — this focus has included upgrading waste segregation stations.



COFFEE CUP ELIMINATION

In 2019, Bruce Power committed to finding a compostable option for coffee cups, and in doing so the company transitioned its existing coffee service within the main corporate building on site to a new service that allowed for the use of compostable cups, and an even greater discount for people bringing in their own reusable mugs. The move resulted in the company no longer sending 700,000 coffee cups to landfill annually.



STYROFOAM DENSIFIER

In 2018, Bruce Power helped fund a Styrofoam Densification pilot program with the Municipality of Brockton and Plastics Association Canada. We had a keen interest in finding a solution to avoid sending Styrofoam to our on-site landfill. So when we were approached by the municipality to help pay for the \$22,000 densification machine, we jumped at the opportunity.

The machine, which densifies polystyrene into long bricks, was shipped in from Denmark and takes up the floor space of a washer or dryer. Polystyrene and Styrofoam materials are dropped into the machine, shredded and then compacted into heavy, long rectangular bricks that can be resold and reused.

At full operation, the densifier will increase recycling diversion of polystyrene by up to 90 per cent, reducing demand on landfill space.





THE ENVIRONMENTAL MONITORING PROGRAM

Every year, we monitor all aspects of the environment surrounding our facility, including the air, water, land, vegetable gardens, wild animals (including fish) and even milk and meat from local livestock to ensure there are no adverse impacts and that we are being the best neighbor possible.

What Do We Monitor?

The Environmental Monitoring Program (EMP) carries out sampling and analysis in the area of water, precipitation, aquatic samples (including fish, sediment and sand), terrestrial samples (including animal products, vegetation and soils), external gamma radiation in air, and tritium and Carbon-14 in air, both from off and on-site locations. We have many willing local participants in our EMP who provide us with things such as farm-grown vegetables, berries from personal gardens, eggs from their chickens and honey from their beehives.

Why Do We Do This?

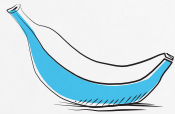
EMP is important to our facility because it ensures through sampling and analysis that there are no negative effects from our plant operations on the environment and public. It also fulfills the annual regulatory requirement under our Operating Licence issued by the Canadian Nuclear Safety Commission.

In 2018, Bruce Power lived up to its mission statement of providing safe, reliable, affordable and environmentally sound electricity. Last year, while providing 30 per cent of Ontario's electricity the surveying and environmental monitoring program determined the most impact our year-round neighbours could possibly have experienced in 2018 was 1.67 microsieverts of dose (the equivalent of eating 17 bananas). That is only a fraction of the safe, allowable limit of 1,000 microsieverts per year, as set by the Canadian Nuclear Safety Commission.

This means, despite being one of the most important energy producers in Ontario, Bruce Power is having a minimal — in fact, barely recordable — radiological impact on the air, land, water, plants, animals and people with whom we share this beautiful corner of rural Ontario.

Bruce Power Facts and Figures

1.67 μSv



The amount of 'dose' a person living next to Bruce Power recieved in 2018. It's the equivalent of eating 17 bananas.

10 μSv

The amount of 'dose' a person would recieve from watching TV for one year at a regular rate.

20 μSv

The amount of 'dose' a person would recieve from having one chest X-ray.

We monitor:



Air



Water (quality, precipitation, temperature)



Fish (fish, sediment, vegetation)



Groundwater (quality)



Land (sand, soil, birds, amphibians, reptiles, mammals, vegetation)



Animal feed



Food (eggs, meat, wild game, fruits and vegetables, honey, grains)

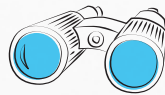
150,923

trees planted with the Pine River Watershed,
SauGREEN, Saugeen Valley Conservation Authority,
Huron Stewardship Council and Penetangore
Watershed groups since 2012.

\$400,000

annually directed to environment and
sustainability initiatives since 2015.

62%



of the funding for Lake Huron Centre for
Coastal Conservation's Coast Watchers program
comes from Bruce Power.

60_{km}

beaches/shorelines
monitored for
information on
wind, waves,
pollution and
biological factors.

46 schools

funded to take part in education in the lifecycle
of fish with the Lake Huron Fishing Club.





Bruce Power
provides more than
4,000 people with
stable, well-paying
jobs



Our People

Bruce Power is a world-class company in rural Ontario, providing clean energy that meets current and future electricity needs without compromising the quality of life for future generations.

We care about people and the planet, while generating carbon-free electricity for more than 30 per cent of Ontarians. To do this, we require a highly skilled, passionate and professional workforce which is dedicated to safely operating to the world's highest standards.

We have a set of values that link our people to our successes and guide our behavior when making decisions, fostering community relationships and developing energy management solutions. Living our values means we conduct our business ethically, respectfully, safely and professionally.

We are a big company with smalltown roots. Our co-workers are our neighbours, friends, coaches of our children's teams, and fellow community members.

Our workforce has access to limitless opportunities to succeed and grow in a progressive, diverse and inclusive workplace.

DIVERSITY AND INCLUSION

Bruce Power is committed to employing a diverse workforce. We have defined diversity as the acknowledgment and appreciation that each individual has unique perspectives and life experiences. By embracing and respecting these visible and invisible differences, we create an environment where each employee feels empowered to achieve her or his best. Our commitment is enhanced through our Equity and Diversity Committee, which ensures the company lives this value every day.

In 2018, we maintained our GOLD certification, held since 2014, from the Progressive Aboriginal Relations Program (PAR) through the Canadian Council for Aboriginal Business (CCAB). Our Indigenous Employment program includes local outreach activities, assistance navigating our application process, and guidance on resume development. We also expanded Indigenous presence within our supplier, contractor and union workforces.

Bruce Power continues to integrate diversity and inclusion into our business with: the continued evolution of our Diversity Strategy; evolving our Recruitment Strategy to include Diversity and Inclusion at every stage; and through the signing of the Leadership Accord on Gender Diversity.

The Leadership Accord on Gender Diversity is a public commitment by employers, educators, unions and governments to promote the value of diversity and inclusion in their organizations. The Accord provides a platform to create a culture of equality and inclusion, while facilitating opportunities for women in traditionally male-dominated roles. At Bruce Power, we have placed a business focus on hiring, promoting and developing females in non-traditional roles. Additionally, we have focused on the integration of diversity and inclusion into our employer branding, new hire orientation, and our Leadership Development programs.

Through our Diversity and Inclusion committee, we sponsor and participate in

many events which include local Multicultural Day events, community Pride events, International Women's Day celebrations and the annual National Indigenous Peoples Day Celebration.

OCCUPATIONAL HEALTH AND SAFETY

Our Number 1 value is 'Safety First'. We live this value in every decision we make. We demand that employees work as safely as possible and encourage an environment where we learn from any issues at all levels of the company. Our goal is to have employees go home to their families as healthy as they were when they came to work that day.

Safety goes beyond doing everything we can to guard against serious, long-term injuries. We don't want people incurring any type of injury on site. When you enter the Bruce Power site, you will see a sign that shows the number of days that have passed since one of us was hurt. That's a change from the previous message of hours worked without a lost-time injury. Our "You Can Count On Me" communications initiative was recognized with a Gold Quill Award for Excellence in Safety Communication by the International Association of Business Communicators (IABC) in 2019.

Our goal is always zero occupational injuries or illnesses, we are proud of our employees for these sustained runs of safe performance. We look forward to learning from these past experiences and consistently achieving the highest safety standards possible.

EMPLOYEE RELATIONS

Bruce Power is the largest employer in our part of rural Ontario, providing more than 4,000 women and men with stable, full-time jobs, work-life balance, and generous wage, benefit and pension packages. In fact, nearly 90 per cent of employees invest their own money into shares in the company, while shares are also gifted from the company for stellar performance.

ETHICS

We believe every employee has the right to a safe work environment, free from harassment, discrimination and retaliation. We expect all individuals to behave in a manner that meets or exceeds Bruce Power's values, which we adhere to through our Code of Conduct standards. Employees have an obligation to do their job to the best of their ability in such a way that the interests of Bruce Power, the local community, their colleagues and the environment are safeguarded.

Employees are expected to carry out all proper instructions and to observe the policies, procedures and rules of the company. These have been established to secure the safety of themselves, their colleagues, the site, the local community and the environment. They also ensure the efficient operation of Bruce Power's business.

Employees have the responsibility to act in accordance with the Bruce Power values and to treat their colleagues and others with dignity and respect. It is the company's expectation that all individuals working for or on behalf of Bruce Power will adhere to our Code of Conduct, including our board of directors, executive, employees and contractors.

INDIGENOUS RELATIONS

Bruce Power understands that we operate on the traditional lands and treaty territory of the people of the Saugeen Ojibway Nation (SON) which includes the Chippewas of Nawash and Saugeen First Nations. Our company is dedicated to honouring Indigenous history and culture, and is committed to moving forward in the spirit of reconciliation and respect with SON, Georgian Bay Métis Nation of Ontario (MNO) and the Historic Saugeen Métis (HSM). For the past decade, Bruce Power has been actively working towards improving the relationships with all three communities, specifically in the areas of employment, business development,



Bruce Power
has received a Gold
certification from
Progressive Aboriginal
Relations (PAR) for
the past four years

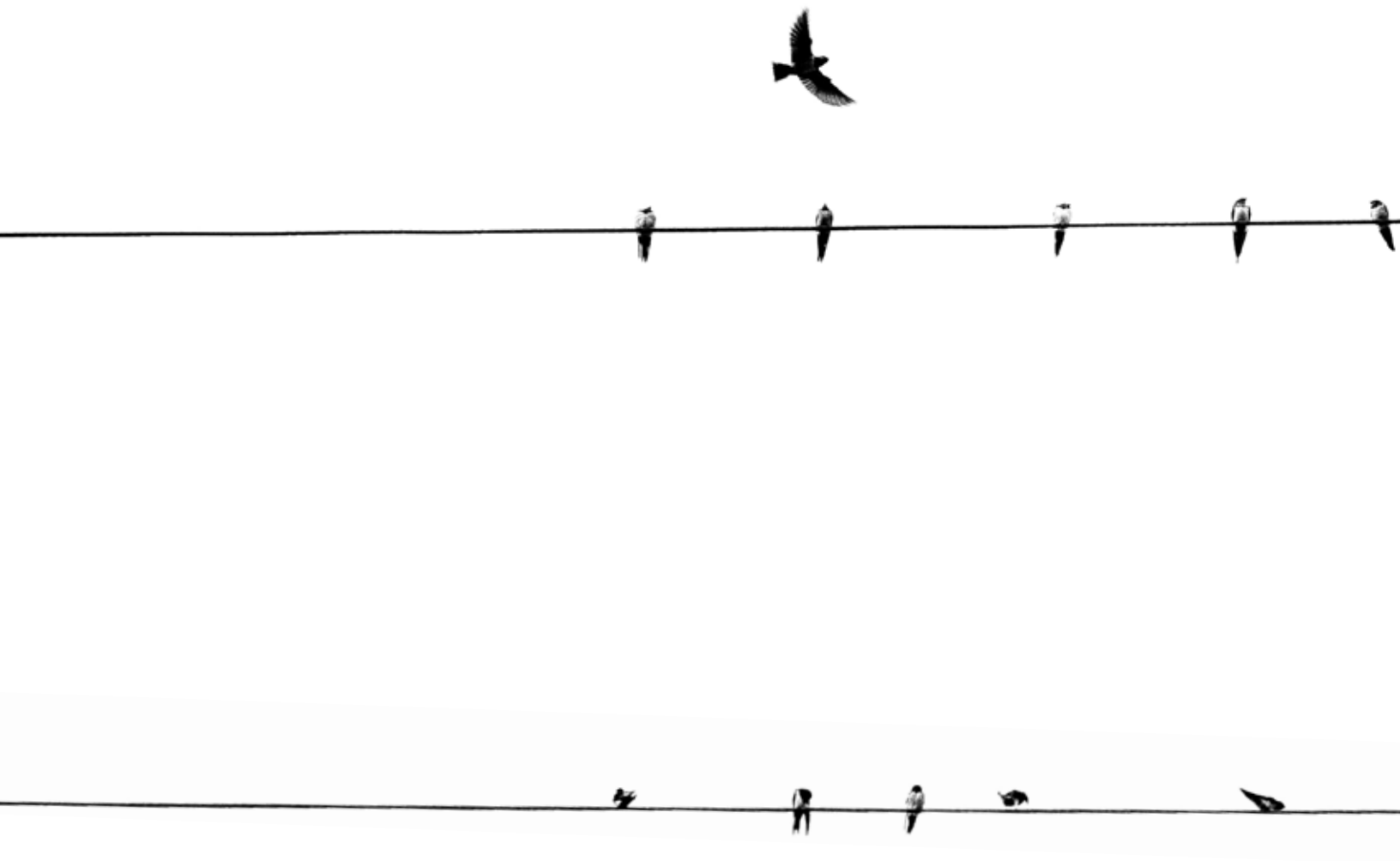
community investment and engagement and environmental protection. Bruce Power's Indigenous Relations Program operates with an inter-departmental strategy having members within key departments across the organization dedicated to strengthening the relationships, and delivering the strategic elements that have been agreed to by both the communities' leadership and the company. Each of these dedicated resources reports into their direct line managers and also to an internal Indigenous Relations Team. In 2018, Bruce Power hired a Director of Community and Indigenous Relations who oversees the progress of each key area and directly reports to the Executive Leadership, ensuring a focused line of sight.

OPENNESS

At Bruce Power, we are dedicated to connecting with the community in an open, transparent and meaningful way. We are

committed to conducting business ethically, respectfully, safely and with professionalism at all times. Our company values shall guide Bruce Power's communications while respecting the bounds of commercial confidentiality and disclosure obligations of its listed partners.

Bruce Power strives to maintain a positive working relationship with those who have an interest in our business. We are committed to open communication with community members, Indigenous communities and other stakeholders, including local residents, government representatives, charities, service clubs, schools and students.

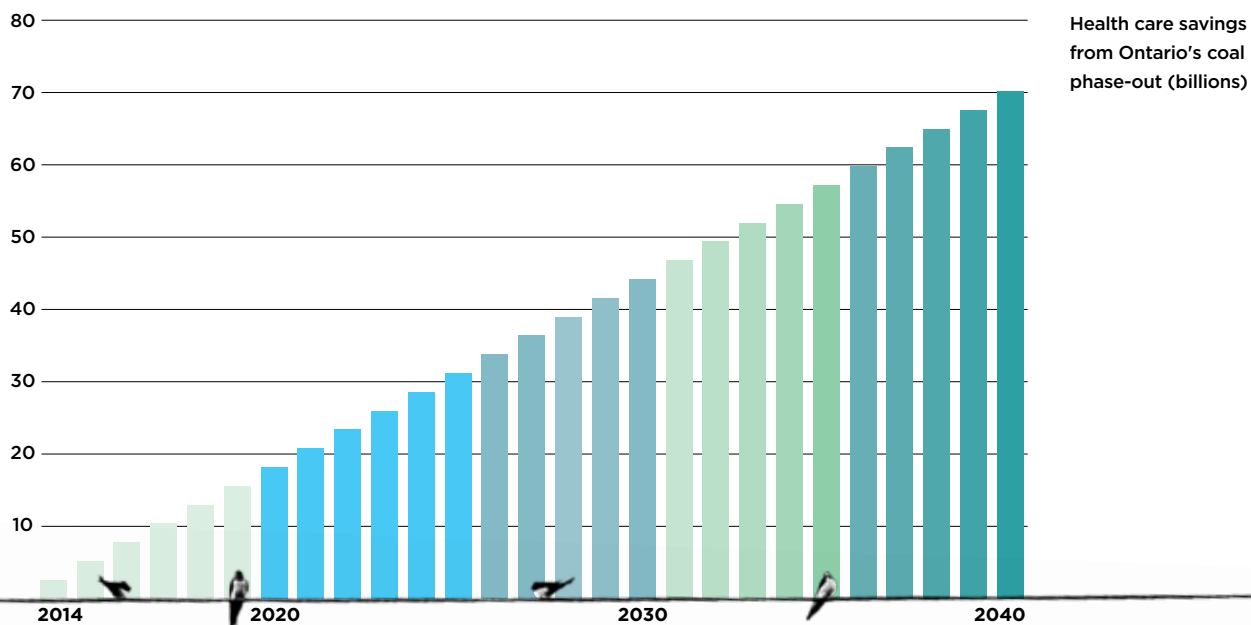


Our Products and Services

Bruce Power does more than just power one in three homes, schools, hospitals and businesses in Ontario.

We create cleaner air.

In fact, carbon-free nuclear energy from the Bruce site has played an integral role in the province's shutdown of its coal generation facilities, which occurred in April 2014 when the Thunder Bay Generating Station burned its final supply of coal. Over the past decade, with the return to service of all four Bruce A units after they were shut down in the 1990s, Bruce Power has provided 70 per cent of the energy Ontario needs in order to accomplish this unprecedented environmental achievement.

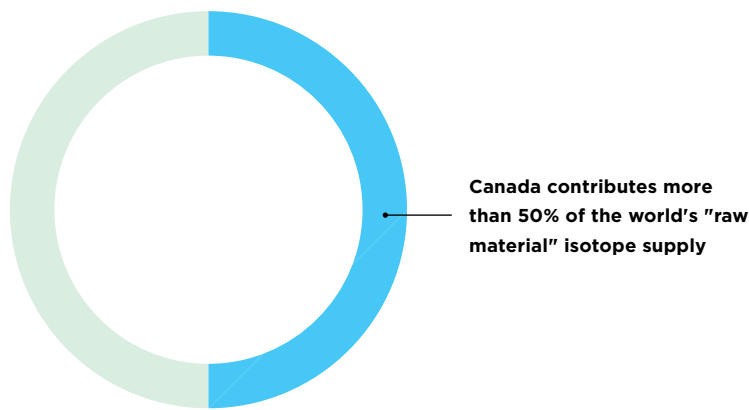


The results of this clean air initiative have been nothing short of staggering. In 2013, there were only two smog days in Ontario during the hot summer months, while in 2005 — when Bruce Power only operated six carbon-free nuclear units and coal played a much larger role in our supply mix — there were 53. Harmful sulphur emissions have also dropped 92 per cent since coal was mostly phased out.

According to a 2005 Ontario Ministry of Energy report, the benefits to phasing out coal could avoid 25,000 emergency room

visits, 20,000 hospital admissions and a staggering 8.1 million minor illness cases annually. The financial benefit is estimated to be \$2.6 billion.

Thanks to the commitment of the provincial government in Ontario to pursue this groundbreaking environmental initiative and an increase of 3,000 megawatts of Bruce Power nuclear, coal has become yesterday's energy source, while residents now enjoy cleaner air and healthier lives from carbon-free Bruce Power nuclear.



ISOTOPES

At Bruce Power, we not only supply electricity, we produce medical isotopes that are being used to save lives every day, not only in Ontario, but around the world.

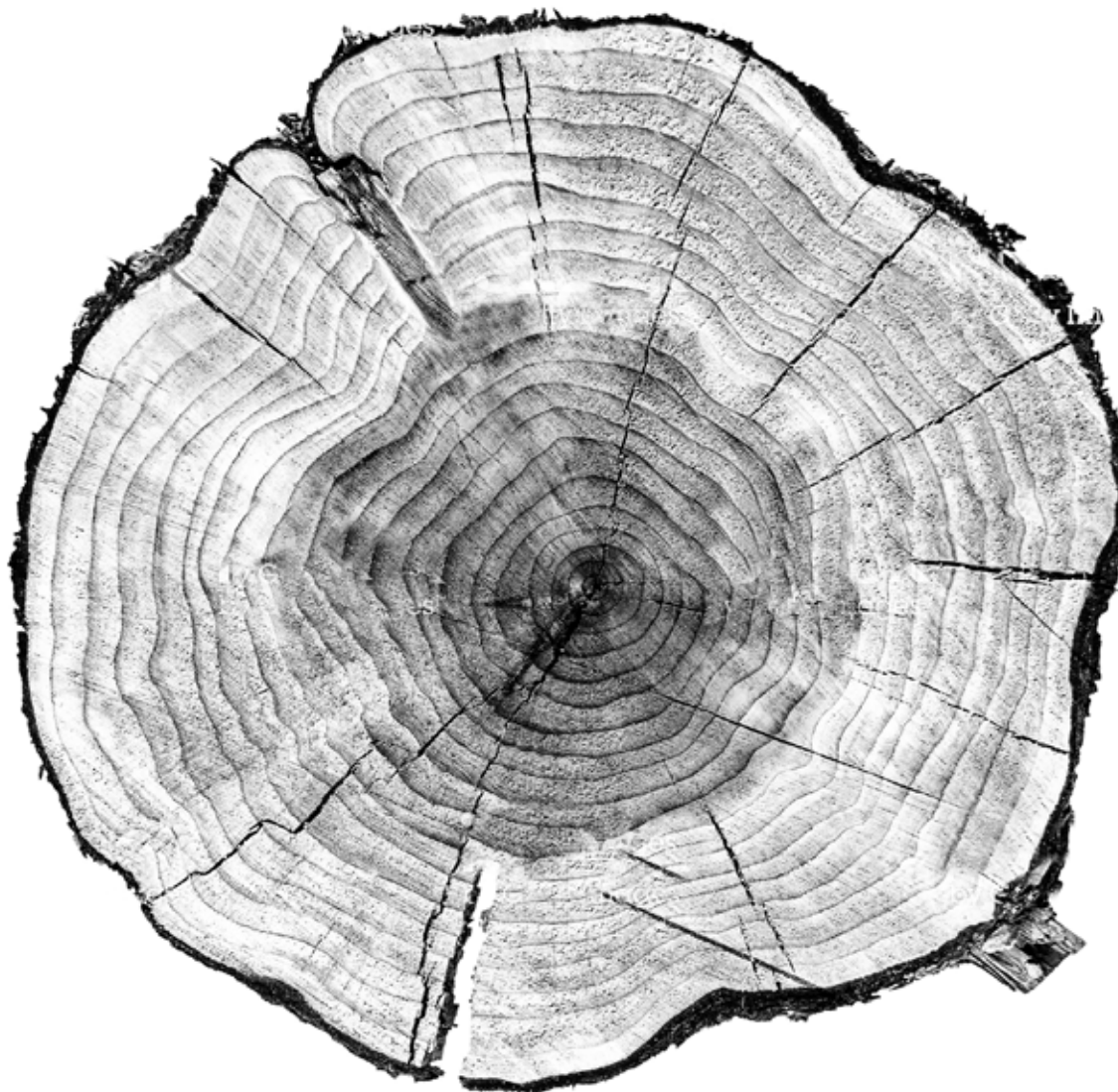
Four of Bruce Power's reactors produce Cobalt-60, which helps to sterilize 40 per cent of the world's medical devices like syringes, gloves and masks, as well as, diagnose and treat complex forms of cancer — including brain tumours — through non-invasive procedures such as the Elekta Gamma Knife.

In 2019, we announced a partnership with Kinectrics and Framatome to advance an innovative project to enable the production of a key medical isotope known as Lutetium-177 that is used to treat prostate cancer. Production of Lutetium-177 is scheduled to begin in 2022. Bruce Power is collaborating with the Saugeen Ojibway Nation (SON) on the marketing of these isotopes and working with the provincial and federal governments on creating new economic opportunities within the SON territory.

The medical isotopes we produce are vital resources to the medical community, and the company continues to seek ways to expand the types of isotopes it produces. We have announced numerous agreements with nuclear suppliers to explore the production of different isotopes which will further support the world's health care sector.

In 2018, Bruce Power was a founding partner of the Canadian Nuclear Isotope Council (CNIC), which is an independent organization consisting of representatives from various levels within the Canadian health sector, convened specifically to advocate for Canada's role in the production of the world's supply of radioisotopes.

By joining forces with the health care sector and research facilities, nuclear energy producers like Bruce Power can continue to deliver life-saving medical isotopes to hospitals around the world — improving the quality of life of millions of people in the process.



INVESTING IN THE FUTURE

Bruce Power's Life-Extension Program, which began on January 17, 2016, will allow the site to operate through 2064. The program, which represents billions in private investment in the site, was ranked Canada's top infrastructure project in 2017. In 2018 alone, Bruce Power signed more than \$2 billion in contracts with partners for its Major Component Replacement (MCR) Project, including more than \$900 million in manufacturing contracts with four Ontario businesses, guaranteeing hundreds of jobs for years.

The Life-Extension Program, which will extend the life of the units through inspections, asset investments and the

advancement of the MCR Project, begins with Unit 6 in 2020 and will upgrade Units 3-8 through 2033.

By expanding the life of the site until 2064, Bruce Power will inject \$4 billion into Ontario's economy annually, while creating and sustaining 22,000 jobs across the province each year. The company will also continue to provide low-cost, clean and reliable nuclear power, good jobs and medical isotopes for decades.

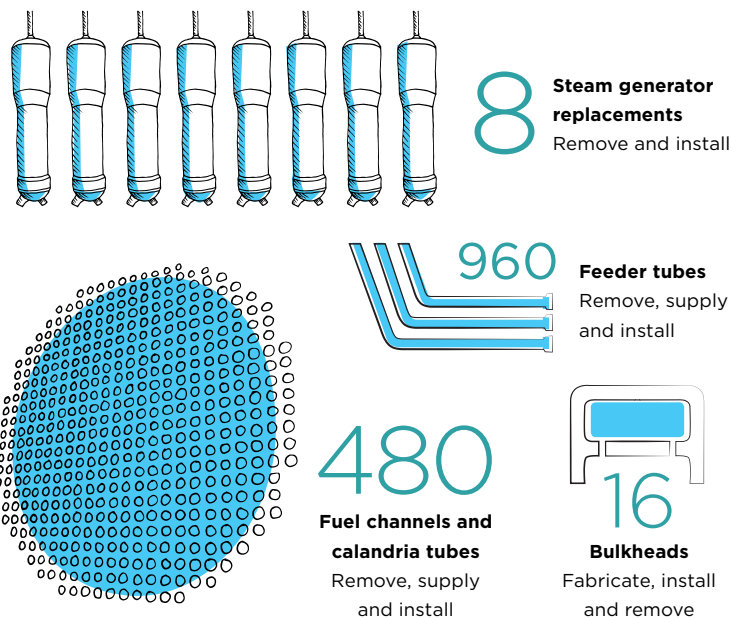
That's terrific news for Bruce Power, our 4,200 employees, the communities across Bruce Grey and Huron counties, and the people of Ontario, where more than 90 per cent of our suppliers employ thousands of residents.

MCR: CANADA'S LARGEST INFRASTRUCTURE PROJECT

The Major Component Replacement (MCR) program will extend the life of Units 3-8 over the next 13 years. This will allow Bruce Power to provide 6,400 megawatts of safe, reliable, carbon-free and competitively-priced electricity for Ontario ratepayers through 2064.

The operation of the Bruce site through 2064 will create and sustain 22,000 direct and indirect jobs annually, while creating \$4 billion annually in economic benefits to Ontario through the direct and indirect spending on operational equipment, supplies, materials and labour income.

MCR begins January 17, 2020 with Unit 6, which is scheduled to last 48 months. These are the critical path projects that will take place over that period:



Subsequent MCRs in Units 3, 4, 5, 7 and 8 will occur through 2033.

WORKING WITH OUR SUPPLIERS

At Bruce Power, we take great pride in the relationships we have with our suppliers, who are an integral part of our business. We work very closely to make sure they understand and are aligned with our core values.

Responsible Sourcing

In preparation for the Major Component Replacement Project that is scheduled to launch in January 2020, local sourcing was a key focus and incorporated into our agreements with new suppliers. As of June 2019, 57 suppliers had established offices in Bruce, Grey and Huron counties (for more details, go to the Economic Development and Innovation Initiative, and the Working with Bruce Power sections of our website at www.brucepower.com). Based on the scoring of the supply chain process, suppliers with a local presence, score higher than those with a provincial, and then national, presence. The scoring process also gives consideration to companies which have documented local Indigenous components of their business (which again scores higher than at the provincial and national levels).

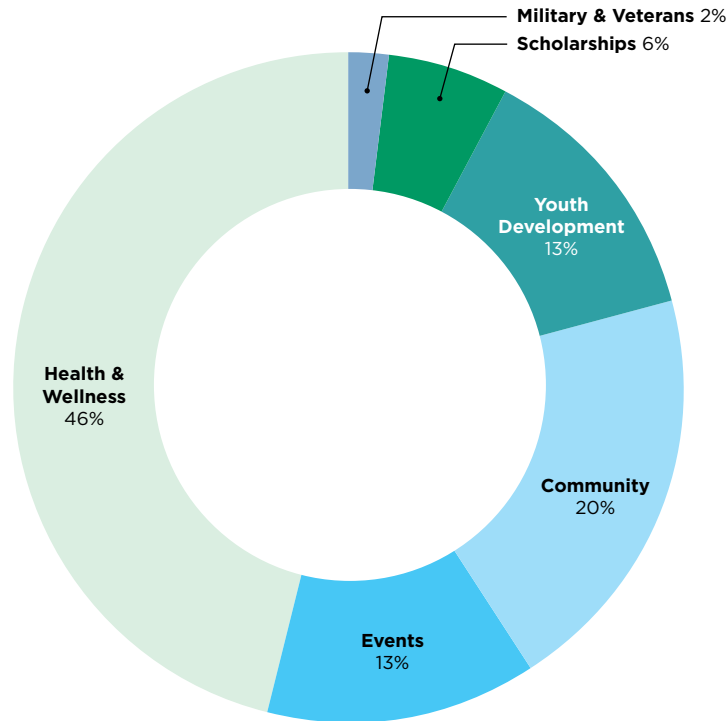
Supplier Engagement

Every one of our suppliers is required to complete the Bruce Power Code of Conduct training once they have signed an agreement. Bruce Power will take action when there are breaches to the Code of Conduct, i.e. fraudulent behaviour.

During the Request for Proposal (RFP) process, potential suppliers are screened for their labour and environmental practices (eg. labour records are reviewed). A supplier's impact on society is also considered when looking at their local presence and is built into what was discussed in the input materials from local suppliers. From a philanthropic standpoint, no additional preferential additional scoring is given.



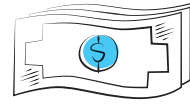




Bruce Power's annual Community Investment Program

Our Community

We donate \$1.3 million annually through our Community Investment program for initiatives and events that focus on health and wellness, community, youth development, events, Indigenous programs, and military, veterans and first responders. We have also formed partnerships with many community stakeholders in recent years, sharing expertise, knowledge and guidance that mutually improve our respective organizations and the community as a whole. Our employees and active retirees also volunteer in many different capacities to the benefit of their communities.



**\$1.3 million
to community
organizations
in 2019**



PARTNERSHIPS IN ENVIRONMENT AND SUSTAINABILITY

In addition to our Community Investment, Bruce Power's sustainability commitments and Environmental Policy are further made into reality by the partnerships that we build and the sponsorships (\$400,000 annually) that we undertake.

Partnerships are a long-term relationship where Bruce Power and external organizations work toward common goals and objectives, take action together and develop things jointly because our organizations share a common philosophy or focus area. These partnerships are mutually beneficial.

Though sponsorships provide short-term support for particular events or initiatives, relationships are often built with these organizations and evolve into partnerships.

When Bruce Power embarks on partnerships and, when considering sponsorships, we look at the opportunities that touch upon aspects of the three pillars of Sustainability — environment, economic, social/cultural. With a current focus on the environment pillar, Bruce Power's community investments

touch upon aspects of; conservation and preservation; restoration, remediation and quality improvement; and education, awareness, research and development.

Some of our partners include:

- Bruce County Museum and Cultural Centre
- Bruce Trail Conservancy
- Butterfly Gardens of Saugeen Shores
- Council of the Great Lakes Region
- Grey Bruce Sustainability Network
- Invasive Phragmites Control Centre
- Lake Huron Centre for Coastal Conservation
- Lake Huron Fishing Club
- Ontario Nature
- Plug 'N Drive
- sauGREEN for the Environment
- Saugeen Valley Conservation Authority



PARTNERSHIP IN ACTION CASE STUDY: PHRAGMITES

Phragmites australis is recognized as Canada's worst invasive plant and is considered to be the most aggressive invasive species of wetlands in North America. This robust grass is now spreading through the Great Lakes because of its dominance over all other plant species, including cattails and willows. Management of phragmites communities within the sensitive habitats which exist along the Lake Huron coastline is not easy or straightforward.

An invasive Phragmites Management Plan was developed in 2013 for the Municipality of Kincardine to guide restoration efforts along the stretch of shoreline located between the northern edge of Baie Du Doré wetland, north to the MacGregor Point Provincial Park. Later that year, the municipality approached Bruce Power to ask for the company's involvement in controlling phragmites since they were also observed along the Bruce Power shoreline and in the Baie Du Doré wetland.

In 2014, Bruce Power and the Lake Huron Centre for Coastal Conservation developed a plan to be used for the effective, efficient and environmentally responsible control of phragmites based on the most recent and accurate information available. Since then, we have provided pro-bono and funding support to the Invasive Phragmites Control Centre (IPCC) for eradication of phragmites along the shoreline.

Bruce Power has provided funding to a group of Kincardine residents committed to getting rid of phragmites along the shoreline, and have also funded the cutting of phragmites within the Saugeen Ojibway Nation territory and Chiefs Point.



DOING OUR PART

At Bruce Power, we value our role as a community member and are honoured to have been able to create so many mutually beneficial partnerships. Communities in rural Ontario need to combine their efforts to ensure we maintain, protect and nourish the things that make our communities great from an environmental, social, cultural and economic standpoint.

We truly believe we are stronger together, and the overall successes lie in the combined efforts of government, business and the community (non-governmental organizations, not-for-profits, volunteers, etc.). We envision a future filled with many more initiatives which will be good for the community and society as a whole.

“Our kids and grandkids are counting on us to ensure that we continue to take action to address climate change; nuclear energy is pivotal to this! Our technology isn’t a promise of future innovation, it’s here right now! Every day our mission is to maintain this operation safely while protecting the environment, and cultivating a culture where our people are dedicated to ensuring our environmental footprint remains low.”

Danielle LaCroix

Director of Environment
& Sustainability, Bruce Power



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