



Employees at Bruce Power stand ready for the future as the Major Component Replacement Project execution begins. Photo courtesy of Bruce Power

Ready ✓
Set ✓
GO!

Bruce Power launches next phase of Life-Extension Program with Unit 6

Four years after the start of its Life-Extension Program, Bruce Power kicked off 2020 with the start of execution phase of its first Major Component Replacement (MCR) project.

The Bruce B operations team completed the rundown sequence for Unit 6 and took the unit offline, Jan. 17 officially launching execution.

Between now and 2033, Units 3-8 will be upgraded during MCR, replacing the reactor components to extend the life of those units, and the Bruce Power site, to 2064.

President and CEO Mike Rencheck took the opportunity to recognize the planning, construction and engineering efforts that set the project up for success.

“The Unit 6 project marks the next big step in a long campaign to revitalize this site,” said Rencheck. “It has taken commitment, focus and innovation to get us to this point, and on behalf of our board of directors and the senior leadership team, thank you to everyone who has contributed to the MCR planning process.

“Our employees, supplier partners and skilled tradespeople participating in this project are ready for the journey ahead, and I look forward to delivering our plan and securing our future.”

*The company released an Energy Report, a few days prior to Unit 6 execution.
 The report connects the station’s production to Ontario’s well-being and economic goals.*

Expanding the life of the Bruce Power site until 2064 will result in an annual injection of \$4 billion into Ontario’s economy while creating and sustaining 22,000 jobs across the province each year. The company will continue to safely provide clean, affordable, reliable power and life-saving medical isotopes while strengthening local communities and protecting the environment.

The additional contribution Bruce Power will make to Ontario through the Life Extension Project was highlighted in the company’s first-ever provincial Energy Report, released on the eve of the Unit 6 execution start.

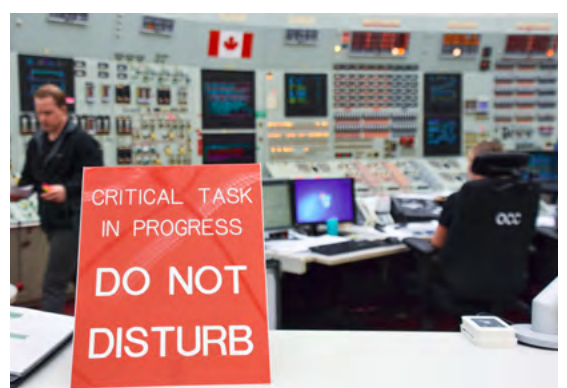
Rencheck, who was the keynote speaker at the Toronto Board of Trade, Jan. 15, said, “Our life extension efforts are creating opportunities for people and communities with a focus on the environment, energy and the economy.

“Bruce Power is, and will continue to be, a major contributor to providing Ontario with carbon-free, affordable electricity that allows our province’s businesses to grow and our families to prosper, and life-saving medical isotopes to help people around the world.”

The company’s focus now is on working safely to the highest standard, Rencheck said.

[Read more](#) about the Bruce Power life extension project.

[Read more](#) about OPG and Bruce Power collaboration, including through COG initiatives in a November 2019 letter to Ontario’s Minister of Energy.



Bruce Power’s Unit 6 was taken offline on Jan. 17, launching the execution phase of the MCR project. Photos courtesy of Bruce Power

Excellence through collaboration

Through COG, members create innovation and drive continuous improvement to meet project and operational goals

Over several years, Bruce Power has participated with other CANDU stations in Canada and worldwide through the CANDU Owners Group to better prepare for life extension work creating some innovative approaches and finding ways to continually improve employee and supplier approaches that contribute to a safer, more effective project work environment.

Together, the COG members have also undertaken multiple initiatives focussed on long-term plant management to achieve on-going, optimum performance results over decades of operation beyond mid-life project work, strengthening both the safety and economic case for the CANDU plants.

These efforts include shared research and joint projects that resulted in increased longevity and performance of plant components and equipment as well as continuous improvements in maintenance, project and operational activities. Combined with individual plant management efforts across the fleet, the work done collaboratively through COG is paying off with demonstrable results.

By example, New Brunswick Power’s Point Lepreau station completed its mid-life refurbishment project in 2012. Today it is achieving some of its best-ever performance in key metric areas. Similarly, OPG’s Pickering Nuclear, the fleet’s oldest operating station has achieved its best annual operational results in the past year with consistently strong performance year over year for the past several years.

The companies have also worked together through COG in partnership with the supplier community to develop an internationally-recognized supplier participant program. The program has been recognized for strengthening supply chain leadership, safety culture, security and effectiveness; all critical factors in big project success, especially given the important, integrated role suppliers and contractors play in project work.

Through dozens of COG peer groups, as well as workshops, symposiums and online communities, COG members have used COG’s information exchange programs to share operational experience and knowledge and to develop new and improved approaches to both operational and project work.

Employees of COG member and program participant organizations can register at www.COGonline.org to access collaboration resources and learn more about industry research and programs offered through COG.