BRUCE POWER **FACTS**

Major Component Replacement

MCR

The life extension of the reactor units at Bruce A and B will secure decades of reliable, carbon-free energy for the people of Ontario. Through a 2015 agreement with the Province of Ontario, Bruce Power will refurbish six of its eight units between 2020 and 2033 as part of its Major Component Replacement (MCR) Project.

The deal is a public-private partnership where Bruce Power assumes all financial investments during the program.

The MCR Project focuses on the removal and replacement of large nuclear components, such as the fuel channels in the core of the reactor, feeder tubes and the steam generators. It's highly specialized and technical work that is driving innovation, investment and employment throughout the province to supply the workforce and materials needed to execute one of Canada's largest infrastructure projects.

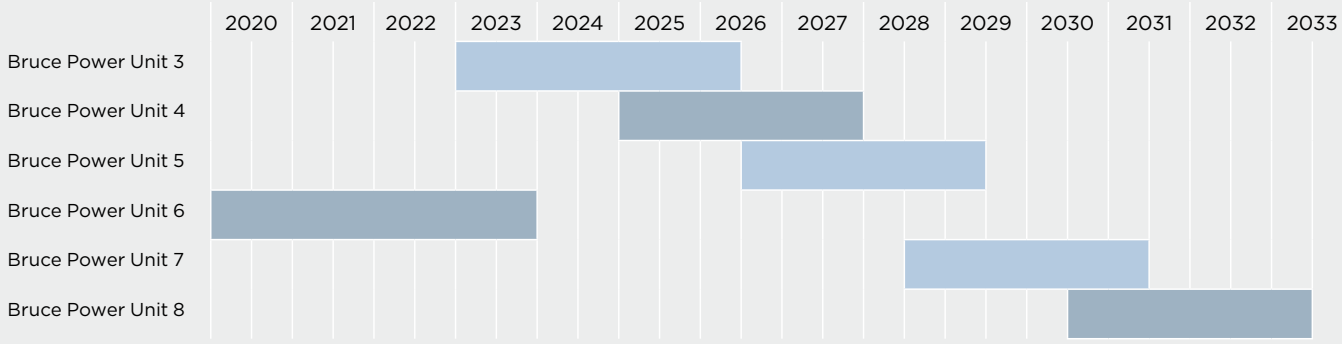
>1000

supply chain companies across Ontario and Canada are supported through Bruce Power.

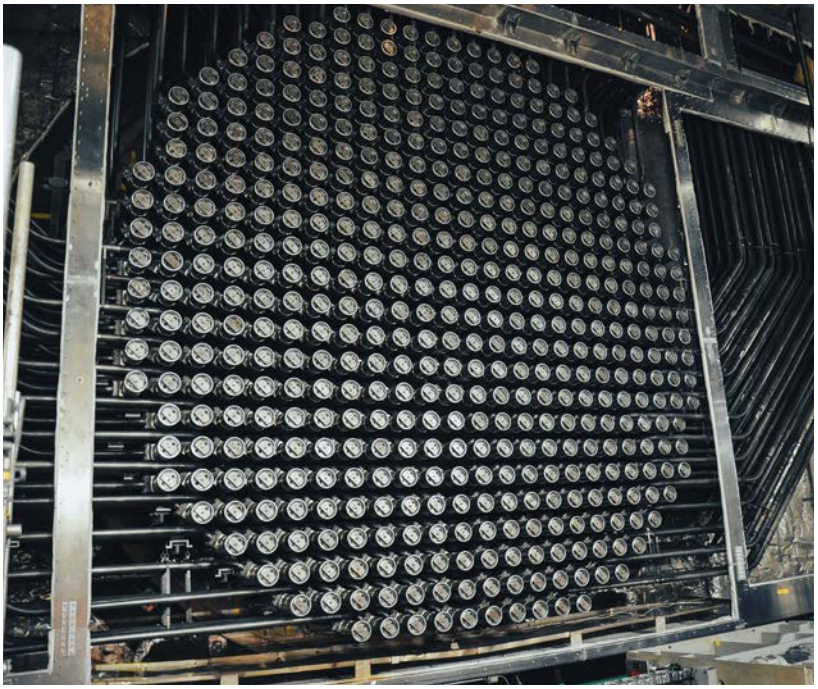
76,000

direct and indirect jobs across Canada are supported by the nuclear industry every year.

MCR START DATES AND DURATIONS



Six of the eight units on site will be overhauled between 2020 and 2033 as part of Bruce Power's long-term agreement with the province. The Unit 6 MCR is currently in its final stages and will return to service in late-2023. The Unit 3 MCR started March 1, 2023, and marks the start of a number of refurbishments that will overlap until the program's completion in 2033. Units 1 and 2 completed their MCRs in 2012 and have been operating to the world's highest standard in the decade since, reinforcing the fact that CANDU reactors perform admirably after refurbishment.



60+

suppliers have opened offices or warehouses in the Clean Energy Frontier of Bruce, Grey and Huron counties.

1,600

metric tonne capacity crane is one of the biggest in the world and is almost the length of two hockey rinks.

8

Every unit has eight steam generators, which are about the size of a school bus and weigh 320,000 lbs. They are manufactured by BWXT in Cambridge and, while at full power, each will produce steam pressure equivalent of a large jet engine.

ATS is one of many innovative vendor partners that supply complex tooling and robotic solutions for the unique challenges of the nuclear industry. The removal and replacement of reactor core components requires advanced tooling and many skilled trades workers and other professionals.

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