

Performance Report for Pickering Nuclear

Q3 2018
Results

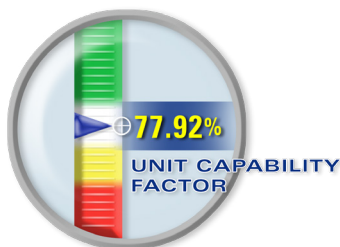
Performance Update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's Pickering Nuclear in the areas of safety, operational and environmental performance and significant accomplishments during the third quarter of 2018.



Electricity Production – (the electrical energy generated, minus station needs):

OPG's nuclear electricity generation for Q3 of 2018 totalled 10.7 terawatt hours (TWh) compared to 11.3 TWh in 2017 in the same quarter. In Q3, Pickering Nuclear produced 5.6 TWh of electricity, which was 14 per cent of the electricity produced in Ontario.



Reliability – Unit Capability Factor:

Compared to Q3 in 2017, Pickering's unit capability factor for Q3 2018 was lower (77.92) primarily as a result of an increase in the number of days the station was shut down for maintenance outages.



Environment – Spills to the Environment:

During Q3 2018, there were no spills to the environment at Pickering Nuclear that were reportable to a regulatory authority. The year-to-date total remains at one spill.

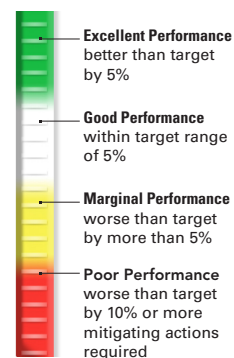
Safety

Total Recordable Injury Frequency:

The Total Recordable Injury Frequency (TRIF) measures the number of injuries involving OPG employees that result in a fatality, a lost time, requiring restricted work and requiring medical treatment per 200,000 hours. In Q3 2018, Pickering Nuclear recorded 0.22 injuries per 200,000 hours worked.



Legend



About OPG's Nuclear Power Stations

Ontario Power Generation owns and operates the Pickering and Darlington Nuclear Generating Stations. The two stations have a combined generating capacity of about 6,600 megawatts. Accounting for 27 per cent of the electricity produced in Ontario in Q3, OPG's 10 nuclear units generated 10.7 terawatt hours.



Keeping you informed about milestones and items of interest achieved by Pickering Nuclear and across OPG:

- Pickering and Darlington Nuclear wrapped up another successful summer of Tuesdays on the Trail programs. Hundreds of smiling and engaged local youth attended the educational and free programs in the beautiful settings of Alex Robertson Park and along a portion of the Darlington Waterfront Trail. OPG holds these programs in collaboration with our community partners, who this year included the Toronto And Region Conservation Authority, Ontario Bio Blitz, WindReach Farms, Driftwood Theatre, Scientists in School, Kim Wheatley, Clarington Public Library, A Gift of Art, All Our Relations Métis Drum Circle, Clarington Museums, Soper Creek Wildlife Rescue and Central Lake Ontario Conservation Authority. Thanks to hundreds of children and their families who joined us throughout the summer. It was wonderful to see so many returning families and meet new ones too - we hope to see you next year.
- Over 4,500 grade four students across the Durham Region, participated in the Durham Children's Watershed Festival held this September. This week-long festival, motivates students to become water stewards in their classrooms and communities. By combining hands-on, interactive activities with messages relevant to their daily lives, students soak-up knowledge on the properties, uses, connections, and importance of water and habitat. With this information, students become aware of the value of conserving and protecting water. Interaction with industry professionals, water experts and enthusiastic educators highlights the environmental education programming of the Festival. OPG Darlington and Pickering Nuclear are proud supporters and active participants in this annual event.
- In August, OPG received a 10-year operating licence for the Pickering Nuclear Generating station. The Canadian Nuclear Safety Commission (CNSC) issued its decision on Aug. 8 after two public hearings in April and June. This new licence is valid until Dec. 31, 2028, allowing for commercial operations until the end of 2024 followed by safe storage activities, such as the removal of fuel and water from the reactors, between 2024 and 2028. "OPG is very pleased with the CNSC's decision, which will save Ontario's electricity customers up to \$600 million and preserve up to 7,500 jobs across Ontario," said Jeff Lyash, OPG's President and CEO. "This decision reflects our continued investment in Pickering to improve its already strong performance, and the dedication of our staff to nuclear safety and ensuring safe and reliable operations to 2024."

For more information go to: www.opg.com/generating-power/nuclear

Do you want to discuss any of our performance results with us? If so, please call us at 905-623-7122.