

Performance Report for Darlington Nuclear

Q3 2020
Results

Performance Update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's Darlington Nuclear in the areas of safety, operational and environmental performance and significant accomplishments during the third quarter of 2020.



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

OPG's nuclear electricity generation for Q3 of 2020 totalled 11.3 terawatt hours (TWh) compared to 11.5 TWh in 2019 in the same quarter. In Q3, Darlington Nuclear produced 6.1 TWh of electricity, which was 15 per cent of the electricity produced in Ontario.



Reliability – Unit Capability Factor:

Compared to Q3 in 2019, Darlington's unit capability factor for Q3 2020 was lower (93.38) 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 2020, Darlington Nuclear recorded one spill to the environment that was reportable to a regulatory authority, bringing the year-to-date total to two spills.

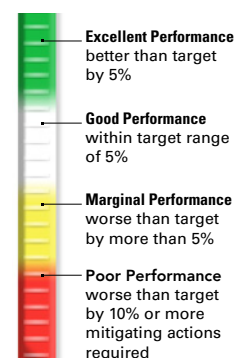
Safety

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 2020, Darlington Nuclear recorded 0.23 injuries per 200,000 hours worked.



Legend



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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 28 per cent of the electricity produced in Ontario in Q3, OPG's 10 nuclear units generated 11.3 terawatt hours.



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

Pickering and Darlington recognized for biodiversity efforts: The Pickering and Darlington Nuclear Generating Stations have earned Gold-level Certification from the Wildlife Habitat Council (WHC), in recognition of OPG's strong focus on sustainability and biodiversity efforts.

The WHC certifies conservation programs on corporate lands around the world and promotes environmental management through various partnerships and educational programs.

Thank you to the many local schools, organizations and community members who continue to work alongside OPG as we work to protect and nurture the diversity of species and habitats in our community. We look forward to seeing you at our Spring 2021 events.

PowerON Tuesdays program a great success: Thank you to the many neighbours who enjoyed fun family activities as part of OPG's adapted yearly Tuesdays on the Trail program, PowerON Tuesdays.

OPG collaborated with community partners to offer a curbside pick-up program in Pickering and Clarington where we provided more than 2,100 free 'power pack' science, environment or education-based activity kits to local families. Thank you to the many community partners that participated during this challenging year; Clarington Public Library, Girls Inc., A Gift of Art, Scientists in School, Toronto and Region Conservation Authority, Centre Lake Ontario Conservation Authority, Valleys 2000 and the Ontario Turtle Conservation Authority.

Through the generosity of the hundreds of families who participated in the program, donations were made to St. Paul's on the Hill and Clarington East Food Bank – these donations go a long way in supporting those in need in our communities.

OPG submits application to renew licence for Darlington New Nuclear: To ensure that that reliable, low carbon nuclear energy will remain a key part of Ontario's low-emission energy mix, OPG has submitted an application to the CNSC for a renewal of the Site Preparation Licence for new nuclear generation at Darlington. OPG will undertake activities to prepare the site for future construction of new nuclear generation at Darlington.

The Site Preparation Licence was obtained following the completion of comprehensive environmental impact studies and an extensive public hearing conducted by a Joint Review Panel of the CNSC and the Canadian Environmental Assessment Agency. This initial licence forms part of a series of licences that would be required for additional nuclear generation at Darlington, and allows OPG to prepare the site for future construction activities.

With the application submitted, the CNSC will determine the timing and process for review.

To learn more about the application, please visit www.opg.com/newnuclear.