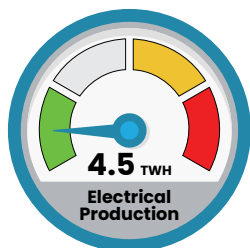


# Performance Report for Pickering Nuclear

## Q4 2020 Results

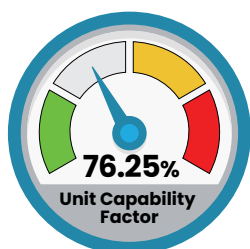
### Performance Update

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 fourth quarter of 2020.



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

OPG's nuclear electricity generation for Q4 of 2020 totalled 9.8 terawatt hours (TWh) compared to 10.8 TWh in 2019 in the same quarter. In Q4, Pickering Nuclear produced 4.5 TWh of electricity, which was 12 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor

Compared to Q4 in 2019, Pickering's unit capability factor for Q4 2020 was lower (76.25) primarily as a result of an increase in the number of days the station was shut down for maintenance outages.



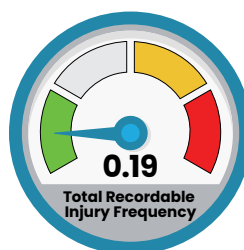
### Environment – Spills to the Environment

During Q4 2020, there were no spills to the environment at Pickering Nuclear that were reportable to a regulatory authority. Pickering Nuclear had no reportable spills in 2020.

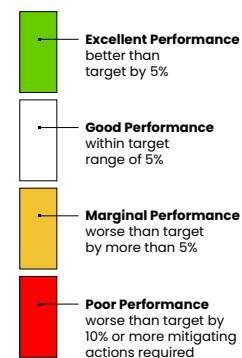
### Safety

#### Total Recordable Injury Frequency:

Total Recordable Injury Frequency (TRIF) measures the number of injuries involving OPG employees that result in a fatality, lost time, requiring restricted work and requiring medical treatment per 200,000 hours. In Q4 2020, Pickering Nuclear recorded 0.19 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 5,728 megawatts with Darlington Unit 3 currently on refurbishment. Accounting for 28 per cent of the electricity produced in Ontario in Q4, OPG's nuclear units generated 9.8 terawatt hours.



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

**Bring Back the Salmon goes virtual:** At OPG, we believe it's our duty to protect and nurture Ontario's environment and unique biodiversity. That's why we have proudly partnered with the Ontario Federation of Anglers and Hunters (OFAH) and other organizations on Bring Back the Salmon since 2011 – a program aimed at restoring an Atlantic salmon population to Lake Ontario.

This year, from the virtual classroom, more than 3,400 students from 115 classrooms across Ontario will observe Atlantic salmon development and learn about their biology, history and ecology through weekly videos. Teachers will also receive curriculum-linked lesson plans to use throughout the year.

The 15-week program provides excellent educational opportunities connected to fish biology, natural and cultural history, habitats, ecosystems, and environmental stewardship. It also includes rearing salmon eggs for release in Duffins and Coburg Creeks, contributing to the restoration program. Learn more at [www.bringbackthesalmon.ca](http://www.bringbackthesalmon.ca).

**Darlington New Nuclear Relicensing:** OPG has applied to the Canadian Nuclear Safety Commission (CNSC) for renewal of the Site Preparation Licence to support the Darlington New Nuclear Project (DNNP). The licence allows for pre-construction preparatory activities to take place at the new nuclear site, which is located adjacent to our operating station.

Additional generation at Darlington allows for low-carbon, reliable nuclear energy to continue being an important part of Ontario's energy mix into the future. The licence is one step in the regulatory approvals process for new nuclear at Darlington, that also includes a construction licence and an operating licence.

The approved Environmental Assessment in place was granted following extensive public engagement and a 17-day public hearing held in Clarington. The application will be considered by the CNSC at a public hearing later this year. Learn more at [nuclearsafety.gc.ca/darlington-nuclear-project](http://nuclearsafety.gc.ca/darlington-nuclear-project). To learn more about the relicensing process and stay informed on future virtual information sessions with OPG project staff, visit [opg.com/newnuclear](http://opg.com/newnuclear).