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# Pickering Nuclear Performance Report - Q4 2021 Results

## Performance update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's (OPG's) Pickering Nuclear in the areas of safety, operational and environmental performance and significant accomplishments during the fourth quarter of 2021.



**4.4 TWh**

## Electricity production

*The electrical energy generated, minus station needs*

OPG's nuclear electricity generation for Q4 of 2021 totalled 8.4 terawatt hours (TWh) compared to 9.8 TWh in 2020 in the same quarter. In Q4, Pickering Nuclear produced 4.4 TWh of electricity, which was 12 per cent of the electricity produced in Ontario.



**78.12% UCF**

## Reliability

### *Unit capability factor*

Compared to Q4 in 2020, Pickering's Unit Capability Factor (UCF) for Q4 2021 was lower (78.12) primarily due to an increase in the number of days the station was shut down for maintenance outages.



**1 spill**

## Environment

### *Spills to the environment*

During Q4 2021, Pickering Nuclear recorded one spill to the environment that was reportable to a regulatory authority. Pickering Nuclear had a total of one reportable spill in 2021.



**0.10 TRIF**

## 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 2021, Pickering Nuclear recorded 0.10 injuries per 200,000 hours worked.

## About OPG's Nuclear Generating Stations

OPG 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 1 & 3 currently in a refurbishment outage. Accounting for 22% of the electricity produced in Ontario in Q4, OPG's nuclear units generated 8.4 terawatt hours.

## Other Pickering news



## Pickering Performance Report - Q1 2022

In our Q1 2022 report, we track performance for Pickering Nuclear in the areas of safety, operational and environmental performance.



## Celebrating Pickering Nuclear, a climate change-fighting stalwart

OPG's Pickering Nuclear Generating Station is proud to continue to support the Pickering community and the province's climate goals.



## OPG's Centre for Canadian Nuclear Sustainability investing in innovation

OPG's new Centre for Canadian Nuclear Sustainability is gearing up to help fulfill OPG's mission to achieve a net-zero economy.