

JUNE 18, 2024 · 7 MIN READ

Darlington Nuclear Performance Report – Q1 2024 Results

Performance update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's (OPG's) Darlington Nuclear in the areas of safety, operational and environmental performance, and significant accomplishments during the first quarter of 2024.



8.0 TWh

Electricity production

The electrical energy generated, minus station needs

OPG's nuclear electricity generation for Q1 of 2024 totaled 8.0 terawatt hours (TWh) compared to 8.6 TWh in 2023 in the same quarter. In Q1, Darlington Nuclear produced 2.5 TWh of electricity, which was 6 per cent of the electricity produced in Ontario.



88.82% UCF

Reliability

Unit capability factor

Compared to Q1 in 2023, Darlington's Unit Capability Factor (UCF) for Q1 2024 is lower (88.82) primarily as a result of an increase in the number of days the station has been shut down for maintenance outages.



0 spills

Environment

Spills to the environment

During Q1 2024, there were no spills to the environment at Darlington Nuclear reportable to a regulatory authority.



0.09 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 Q1 2024, Darlington Nuclear recorded 0.09 injuries per 200,000 hours worked.

About OPG's Nuclear Generating Stations

Ontario Power Generation owns and operates the Pickering and Darlington Nuclear Generating Stations. The two stations have a combined generating capacity of about 4,850 megawatts with Darlington Unit 1 and Unit 4 currently being refurbished. Accounting for 18.7 per cent of the electricity produced in Ontario in Q1, OPG's nuclear units generated 8.0 terawatt hours.

Questions?

Please contact Jennifer Knox, Director - Nuclear Stakeholder Relations, through the form below.

Get in touch with us by email

Please complete the form below to contact us via email.

We'd love to hear from you.

Choose a method:

☐ By region

☒ By topic

Darlington Nuclear Information Centre

First name *

Last name *

Email *

Message *

☐

I'm not a robot

reCAPTCHA
[Privacy](#) - [Terms](#)

SUBMIT

Other Darlington news

**Darlington
Refurbishment
performance
update - Q4
2024**

**Darlington
Performance
Report - Q4
2024**

**Neighbours -
Pickering/
Darlington -
Spring 2025**

Subscribe and stay informed

Sign up to receive the latest news, project updates, and event information from OPG.

Your email address

SUBSCRIBE

[Careers](#)

[Investors](#)

[Reports](#)

[Contact us](#)

[Newsroom](#)

[Suppliers](#)

[Employees &
pensioners](#)

