

# Performance Report for Darlington Nuclear

Q2 2020  
Results

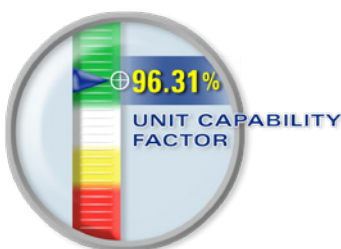
## Performance Update

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 second quarter of 2020.



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

OPG's nuclear electricity generation for Q2 of 2020 totalled 11.6 terawatt hours (TWh) compared to 11.3 TWh in 2019 in the same quarter. In Q2, Darlington Nuclear produced 6.3 TWh of electricity, which was 17 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor:

Compared to Q2 in 2019, Darlington's unit capability factor for Q2 2020 was lower (96.31) 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 Q2 2020, Darlington Nuclear recorded one spill to the environment that was reportable to a regulatory authority, bringing the year-to-date total to one spill.

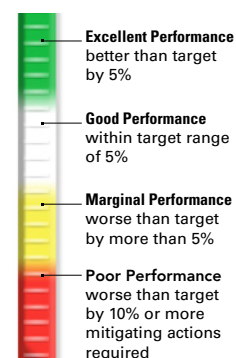
## Safety

### 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 Q2 2020, Darlington Nuclear recorded 0.00 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 31 per cent of the electricity produced in Ontario in Q2, OPG's 10 nuclear units generated 11.6 terawatt hours.



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

**Darlington Unit 2 Powers On:** After more than a decade of planning followed by more than three years of safe, quality work, Unit 2 at Darlington Nuclear Generating Station is now reconnected to Ontario's electricity grid and ready to provide 30-plus more years of reliable, clean, low-cost power to Ontario.

"This is a truly historic moment for Ontario," said Ken Hartwick, OPG's President and CEO. "I want to thank our refurbishment team, project partners, vendors and construction building trades workers for more than 24 million hours worked safely and for returning Darlington's Unit 2 reactor to the grid at a time of unprecedented circumstances."

"This world-class project performance demonstrates the team's expertise and their commitment to completing the four-unit refurbishment safely, with quality and on budget by the end of 2026 as planned."

**OPG employees sew thousands of masks for hospitals, care facilities:** OPG employees have put their sewing skills to work over the last few months to produce thousands of cloth masks for Ontario's hospitals and health-care facilities to help contain the spread of COVID-19.

The volunteer effort has already seen more than 9,000 masks sewn and donated to Northumberland Hills Hospital in Cobourg after the hospital donated enough H600 Halyard fabric to make face masks for non-medical use.

Now, a second sewing blitz is underway at OPG. The company has purchased enough materials to make more than 5,000 additional masks, which are based on a design by the University of Florida Health.

Once completed, this second round of masks will be donated to hospitals and long-term care facilities in OPG's host communities, including Arnprior Hospital, Renfrew Hospital, Barry's Bay Hospital, Deep River Hospital, the Alzheimer Society of Durham Region, Community Care Durham Region, Bowmanville Older Adults Association, and Community Living – Oshawa Clarington.

"The timing couldn't be better as we see new laws coming into place making masks mandatory in indoor public spaces," said Lisa McBride, Manager of Stakeholder Relations with OPG who has helped lead the company-wide sewing initiative. "We've heard a real need for non-medical cloth masks from several hospitals and care facilities, as anybody visiting a patient needs to wear masks in these facilities. We're hoping to help continue meet this need."

To date, OPG has donated more than 1.1 million pieces of personal protective equipment, including face shields produced on the company's 3D printers. The company also continues to produce Cobalt-60, a medical isotope used to irradiate and sterilize about 40 per cent of the world's single-use medical devices, such as syringes, gloves, and surgical instruments.