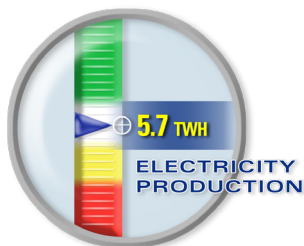


# Performance Report for Darlington Nuclear

Q4 2018  
Results

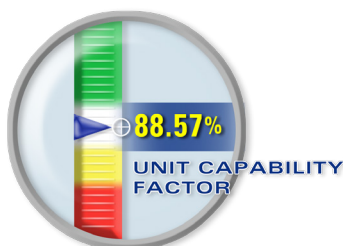
## Performance Update

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 fourth quarter of 2018.



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

OPG's nuclear electricity generation for Q4 of 2018 totalled 11.3 terawatt hours (TWh) compared to 10.1 TWh in 2017 in the same quarter. In Q4, Darlington Nuclear produced 5.7 TWh of electricity, which was 15 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor:

Compared to Q4 in 2017, Darlington's unit capability factor for Q4 2018 was higher (88.57) primarily as a result of a decrease in the number of days the station was shut down for maintenance outages.



### Environment – Spills to the Environment:

During Q4 2018, there were no spills to the environment at Darlington Nuclear that were reportable to a regulatory authority. The year-to-date total remains at zero.

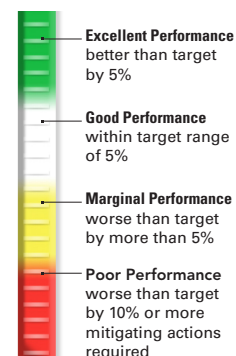
## Safety

### 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 Q4 2018, Darlington Nuclear recorded 0.32 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 6,600 megawatts. Accounting for 29 per cent of the electricity produced in Ontario in Q4, 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:

- OPG's Nuclear Stations Awarded Highest Safety Ratings:** The Canadian Nuclear Safety Commission (CNSC) has once again awarded Ontario Power Generation's (OPG) Darlington and Pickering nuclear stations its highest safety rating of "Fully Satisfactory". For nine consecutive years, Darlington Nuclear has achieved the highest possible safety rating while Pickering Nuclear has achieved the highest possible safety rating for the third year in a row. Combined, the plants provide about 30 per cent of the electricity used in the province. "Excellence in Nuclear Operations remains our focus at Ontario Power Generation," said Sean Granville, OPG's Chief Nuclear Officer. "We remain committed to providing clean energy while protecting the public, the environment and our staff." Darlington Nuclear's "Fully Satisfactory" rating for the ninth year in a row is the strongest continuous performance by any Canadian nuclear power plant.
- Poppy Distribution:** To commemorate Remembrance Day, veterans from the Royal Canadian Legion, along with volunteers from OPG, distributed poppies at various locations on site at both Darlington and Pickering Nuclear Stations in support of the annual Poppy Campaign. Hundreds of employees picked up a poppy in support of those who have served Canada in war and peacekeeping missions. Poppy proceeds were donated to local Royal Canadian Legion Branches to help support veterans, ex-service members, and their dependents.
- Holiday Giving:** Each December, employees at Pickering and Darlington Nuclear give generously during the holiday season, and this year was no exception. Through monetary donations supporting the Durham Regional Police Services (DRPS) Food and Toy Drive, the Blue Bike Program and Gate Collections a mountain of food and toys were donated from each site to those in need. Now in its 30th year, the DRPS Food and Toy Drive works with numerous community agencies to deliver food and toys to thousands of families across Durham Region.

For more information go to: [www.opg.com/generating-power/nuclear](http://www.opg.com/generating-power/nuclear)

Do you want to discuss any of our performance results with us? If so, please call us at 905-623-7122.