

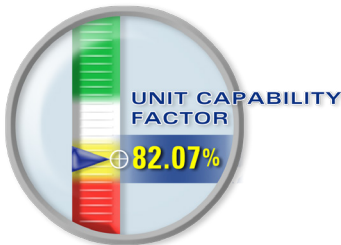
## Performance Update

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 third quarter of 2017.



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

OPG’s nuclear electricity generation for Q3 of 2017 totalled 11.3 terawatt hours (TWh) compared to 11.7 TWh in 2016 in the same quarter. In Q3, Darlington Nuclear produced 5.4 TWh of electricity, which was 14 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor:

Compared to Q3 in 2016, Darlington’s unit capability factor for Q3 2017 was lower (82.07) 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 Q3 2017, 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.

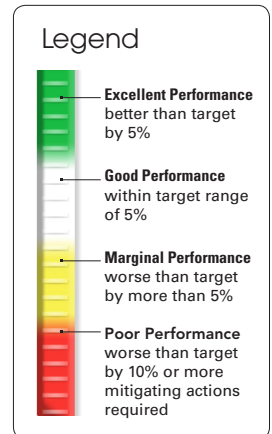
## Safety

### Accident Severity Rate:

The Accident Severity Rate (ASR) measures the number of lost days due to employee injuries per 200,000 hours worked. In Q3 2017, Darlington Nuclear recorded zero days lost per 200,000 hours worked which is better than the Canadian Electricity Association top quartile industry performance.

### Employee All Injury Rate:

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. In Q3 2017, Darlington Nuclear recorded 0.21 injuries per 200,000 hours worked.



## 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 30 per cent of the electricity produced in Ontario in Q3, 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:

- Hundreds of children and their families joined OPG this summer for another successful Tuesdays on the Trail program. With the generosity of our valuable community partners and student volunteers, Darlington staff are able to bring high-quality, educational and free activities to our community once again. This year's programming included: partnership with Clarington Public Library; Central Lake Ontario Conservation Authority; A Gift of Art; Scientists in School; Driftwood Theatre Group; and All Our Relations Drum Circle.
- On Saturday, September 30, OPG Darlington in partnership with Clarington Emergency & Fire Services, Municipality of Clarington, Durham Regional Police Service and Kelsey's Restaurant (Bowmanville) hosted the Annual Family Safety Day - Clarington. This very popular family event featured hands-on activity areas for people of all ages to familiarize themselves with safety measures, emergency procedures, and emergency personnel. This year over 4,000 people attended.
- Over 4,100 grade four students across the Durham Region, participated in the 20th Anniversary of the Durham Children's Watershed Festival held this September. This weeklong festival, focuses on increasing the student's awareness concerning water issues while motivating them to become stewards in their homes, schools, and communities. OPG Darlington and Pickering Nuclear are a proud supporter and active participant in this annual event.
- The Canadian Nuclear Safety Commission (CNSC) has awarded our Pickering and Darlington stations with its highest possible safety rating for 2016. "Ontario Power Generation is committed to providing clean energy while protecting the public, the environment and our staff," said Glenn Jager, OPG's Nuclear President and Chief Nuclear Officer. "Achieving the highest ratings at both of our nuclear stations recognizes OPG's dedication to continuously improve safety." The CNSC report provides a detailed review of our operations and identifies strengths in our performance, as well as opportunities for improvement. It's part of a rigorous industry culture that values assessment and evaluation as learning tools.

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.