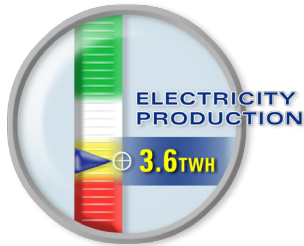


# Performance Report for Darlington Nuclear

Q2 2017 Results

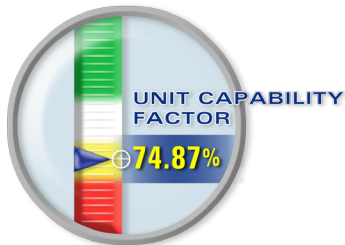
## Performance Update

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 2017.



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

OPG’s nuclear electricity generation for Q2 of 2017 totalled 9.3 terawatt hours (TWh) compared to 10.6 TWh in 2016 in the same quarter. In Q2, Darlington Nuclear produced 3.6 TWh of electricity, which was 10 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor:

Compared to Q2 in 2016, Darlington’s unit capability factor for Q2 2017 was lower (74.87) 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 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 Q2 2017, Darlington Nuclear recorded zero days lost per 200,000 hours worked which is better than the Canadian Electricity Association top quartile industry performance.

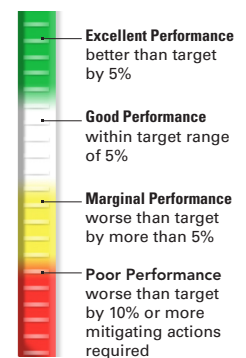


### Employee All Injury Rate:

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. In Q2 2017, Darlington Nuclear recorded 0.14 injuries per 200,000 hours worked which is better than the Canadian Electricity Association top quartile industry performance.



### 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 26 per cent of the electricity produced in Ontario in Q2, OPG's 10 nuclear units generated 9.3 terawatt hours.



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

OPG is a proud sponsor of the annual Friends of the Feather partnership program. This is a two-tiered educational program that allows students from Courtice Secondary School to mentor younger students from Courtice North Public School. Earlier this spring, the students worked together to build bird nest boxes, then at a later date, travel to the Enniskillen Conservation Area to install the newly built nest boxes. Students experienced firsthand about our local biodiversity and the importance of natural habitat.

Central Lake Ontario Conservation (CLOCA) hosted an interactive Turtle Conservation workshop at the Darlington Information Centre on Thursday, May, 18. The interactive community workshop for all ages, provided participants with the tools and resources to help protect local native turtle populations and their habitats. Participants had the opportunity to interact with baby turtles and take home a free turtle nesting structure.

On Saturday, May 27, a dedicated group of local scouts and community members volunteered their time and labour to help plant over 700 native pollinator plants along the shores of Lake Ontario, in the Port of Newcastle. In efforts to stem the decline of monarch

butterflies, honey bees and other pollinator species, a variety of native pollinator plants were planted along an identified monarch migration route. The planting event was hosted in partnership with the Municipality of Clarington and OPG.

National Aboriginal Day, held annually on Wednesday, June 21, to align with the summer solstice, is a celebration of the diverse cultures and outstanding achievements of Indigenous Peoples of Canada. OPG is very proud of its ties to Canada's Indigenous Peoples. These relationships are based on a foundation of respect for the languages, customs, cultural organizations, and rights of Indigenous communities in Ontario. To mark National Aboriginal Day, OPG's Native Circle, along with the Society of Energy Professionals and the Power Workers' Union, hosted a special celebration on June 20 at the Darlington Energy Complex. Employees were invited to enjoy traditional foods, performances and cultural crafts provided by local indigenous communities.

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