

Performance Report for Darlington Nuclear

Q3 2015

July 1 to September 30

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 2015.



Electricity Production - (the electrical energy generated, minus station needs)

OPG's nuclear electricity generation for Q3 of 2015 totalled 11.2 terawatt hours (TWh) compared to 12.8 TWh in 2014 in the same quarter. In Q3, Darlington Nuclear produced 5.7 TWh of electricity, meeting 16 per cent of Ontario's electricity needs.



Reliability - Unit Capability Factor

Compared to Q3 in 2014, Darlington's unit capability factor for Q3 2015 was lower (88.32) 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 2015, 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 2015, Darlington Nuclear recorded zero days lost per 200,000 hours worked which is excellent performance and 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 2015, Darlington Nuclear recorded 0.10 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 almost 32 per cent of Ontario's electricity needs in Q3, OPG's 10 nuclear units generated 11.2 terawatt hours.



Jeff Lyash, OPG's new President and CEO



Tuesdays on the Trail participants learn about wildlife during a biodiversity hike along the Turtle Trail.

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

- On Aug. 21, 2015 OPG welcomed Jeffrey J. Lyash as its new President and CEO following the retirement of Tom Mitchell. Mr. Lyash has more than 30 years of experience in the energy sector and most recently led one of the largest power engineering, procurement and construction organizations in the United States. Mr. Lyash takes the helm of Ontario's largest clean energy generator as the company prepares for Darlington Refurbishment and continues efforts to improve its financial results. Last year, OPG had one of its safest years on record, while achieving an increase in generation and a net income of \$811 million. OPG also successfully delivered North America's largest action to combat climate change when it stopped burning coal.
- Hundreds of children and their families joined OPG this summer for another successful Tuesdays on the Trail program. Thanks to the generosity of our community partners and student volunteers, Darlington Nuclear staff were able to bring free, high-quality educational activities to the community once again. This year we delivered programs in partnership with Central Lake Ontario Conservation Authority; Clarington Public Library; A Gift

of Art; Yogi Francesca Bonta; Driftwood Theatre Group; and Kimberly Wheatley from Shawanaga First Nation Reserve.

- The Canadian Council for Aboriginal Business (CCAB) has awarded OPG a silver certification for its performance in Aboriginal relations. OPG is committed to building and growing long-term, mutually beneficial working relationships with First Nations and Métis communities near our current and future operations in Ontario. The CCAB is a national non-profit organization that offers knowledge, resources, and programs to both mainstream and Aboriginal owned companies that foster economic opportunities for Aboriginal people and businesses across Canada.
- On Saturday, Sept. 26, over 6,000 community members attended the Clarington Family Safety Day. The event featured hands-on activity areas for people of all ages to familiarize themselves with safety measures, emergency procedures, and emergency personnel. This very popular annual event is a shared partnership between Clarington Emergency & Fire Services; Durham Regional Police Services; Kelsey's Restaurant – Bowmanville; Municipality of Clarington and OPG.

For more information go to: www.opg.com/generating-power/nuclear