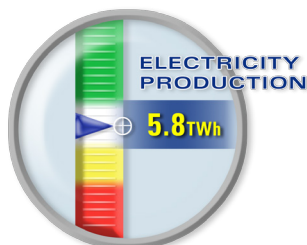


Performance Report for Darlington Nuclear

Q4 2016
Results

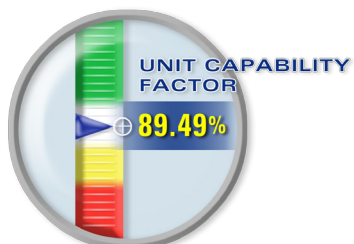
Performance Update

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 2016.



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

OPG's nuclear electricity generation for Q4 of 2016 totalled 11.0 terawatt hours (TWh) compared to 8.8 TWh in 2015 in the same quarter. In Q4, Darlington Nuclear produced 5.8 TWh of electricity, which was 15 per cent of the electricity produced in Ontario.



Reliability – Unit Capability Factor:

Compared to Q4 in 2015, Darlington's unit capability factor for Q4 2016 was higher (89.49) 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:

There were no spills to the environment at Darlington Nuclear in 2016 that were reportable to a regulatory authority.

Safety

Accident Severity Rate:

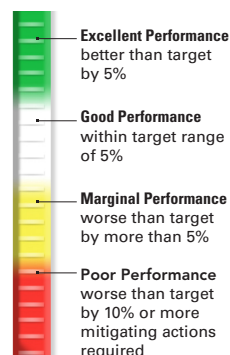
The Accident Severity Rate (ASR) measures the number of lost days due to employee injuries per 200,000 hours worked. At the end of Q4 2016, Darlington Nuclear recorded 2.27 days lost per 200,000 hours worked.

Employee All Injury Rate:

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. At the end of Q4 2016, Darlington Nuclear recorded 0.23 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 29 per cent of the electricity produced in Ontario in Q4, OPG's 10 nuclear units generated 11.0 terawatt hours.



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

- Following years of detailed planning, the Darlington Refurbishment project began in mid-October, when the breaker was opened to disconnect Unit 2 from Ontario's power grid to allow refurbishment work to begin. The Darlington power plant has been producing about 20 per cent of the province's electricity since the early 1990s. After decades of reliable power generation, this clean energy source is receiving a mid-life refurbishment that will benefit Ontarians for another 30 years. The continued operation of Darlington Nuclear until 2055 will take the equivalent of two million cars off Ontario's roads per year by avoiding significant greenhouse gas emissions while continuing to provide safe, reliable baseload power.
- In celebration of the Darlington Unit 2 Refurbishment milestone, the Darlington Energy Complex (DEC), opened their doors to the community as well as OPG employees and their families on Saturday, Oct. 15. Visitors of all ages had the opportunity to tour the full-scale nuclear reactor mock-up, take a site bus tour and speak to experts to learn more about Canada's largest clean energy project.
- Thanks to the extreme generosity of Darlington Nuclear employees, over \$11,000 worth of food and toys were donated to the Durham Regional Police Service (DRPS) Food & Toy Drive. Now in its 28th year, the DRPS Food and Toy Drive works with over 90 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