

Performance Report for Darlington Nuclear

Q2 2013

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 2013.



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

OPG's nuclear electricity generation for the year to date totalled 22.5 terawatt hours (TWh) compared to 24.2 TWh in 2012 in the same period. Year to date, Darlington Nuclear has produced 12.8 TWh of electricity, meeting 18 per cent of Ontario's electricity needs.



Reliability – Unit Capability Factor:

Compared to Q2 in 2012, Darlington's unit capability factor for Q2 2013 was lower (85.0) primarily as a result of an increase in outage days.



Environment – Performance Index:

During Q2 2013, Darlington Nuclear did not record any major or moderate spills to the environment.

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 2013, 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.

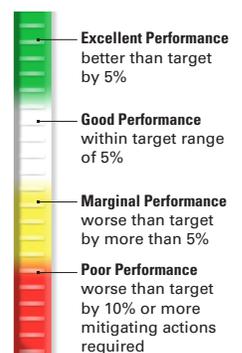


Employee All Injury Rate:

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



Legend



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About OPG's Nuclear Generating 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 29 per cent of the electricity generated in Ontario; for the year to date, OPG's 10 nuclear units generated 22.5 terawatt hours.



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

- The safety of our employees, like the safe operation of our nuclear reactors, is a top priority in our operation. During the second quarter of 2013, Darlington employees achieved one million hours worked without a lost-time injury.
- In April, OPG awarded a major contract for work to refurbish the four turbine generator sets at Darlington. Alstom is the original manufacturer of the Darlington Nuclear Turbine Generators and has provided ongoing service and technical support to OPG for the equipment since commissioning in the early 1990's.
- In June of this year, OPG was named to Corporate Knights' Top 50 Corporate Citizens List for 2013. The list is based on environmental, social and governance indicators, as well as on the management of carbon, energy, water usage and waste production. The Corporate Knights Best 50 methodology for grading corporate citizenship has helped raise the rigor and professionalism of what it means to be a good corporate citizen. The methodology has been recognized by Rate the Raters as "a leading global practice."
- In June, OPG received detailed construction plans, schedules and cost estimates for two potential reactors at Darlington. The submissions by Westinghouse Electric Canada, Inc. and SNC-Lavalin Nuclear Inc. / Candu Energy Inc., were commissioned last year and will help inform the government's decision on whether to move forward with new nuclear at OPG's Darlington site. The completed submissions are being analyzed by a team from OPG and the Ontario Government Ministries of Energy and Finance, and Infrastructure Ontario.
- We are proud to say that we have completed construction of the Darlington Energy Complex (DEC) ahead of schedule and as of the end of June, we moved staff into the new offices. A number of local firms from within the Region of Durham and the Greater Toronto Area were involved in building the DEC, representing 80 per cent of the workforce.
- Durham Region completed testing of the public alerting system around Darlington Nuclear. In more than 20 years of operating Darlington Nuclear, there has never been an incident which would have caused the public alerting system to be deployed. However, it makes sense to be prepared for anything and the system can be used to warn of other more likely emergencies. The system consists of sirens for alerting people who are outdoors and an automated telephone system for alerting people who are indoors. It's designed to provide a quick warning for every resident and business within three kilometers of Darlington Nuclear in the highly unlikely event of a severe nuclear reactor malfunction.

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