

Performance Report for Darlington Nuclear

Q3 2012

July 1 - September 30, 2012

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 achieved during the third quarter of 2012.



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

OPG's nuclear electricity generation was 37 terawatt hours (TWh) up to the end of the third quarter of 2012 compared to 36.6 TWh during the same period in 2011. During the first nine months of 2012, Darlington Nuclear produced 20.7 terawatt hours of electricity, meeting 20 per cent of Ontario's electricity needs.



Reliability - Unit Capability Factor

Unit Capability Factor is a percentage of perfect generation a unit is capable of producing during a specified period. During the first nine months of 2012, Darlington's unit capability factor was 91.2 per cent.



Environment - Performance Index

During the third quarter of 2012, Darlington Nuclear did not record any major or moderate spills to the environment.

Safety

Accident Severity Rate

The Industrial Safety Accident Rate (ASR) measures the number of lost due to employee injuries per 200,000 hours worked. During Q3, Darlington Nuclear recorded 6.24 days lost per 200,000 hours worked. This rate is higher than the top quartile industry performance set by the Canadian Electricity Association due to INSERT TO FOLLOW.

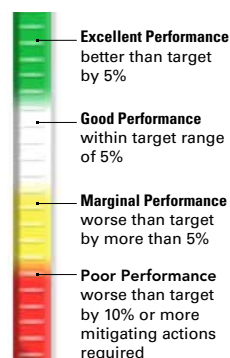


Employee All Injury Rate

The All Injury rate (AIR) measures the number of workplace injuries per 200,000 hours worked. During Q3, Darlington Nuclear recorded 0.44 injuries per 200,000 hours worked which is in the top quartile industry performance target set by the Canadian Electrical Association.



Legend



About OPG's Nuclear Power Stations

Ontario Power Generation owns and operates the Pickering and Darlington Nuclear Power Stations. The two stations have a combined generating capacity of about 6,600 megawatts. Accounting for almost 30 per cent of the electricity generated in Ontario in 2011, OPG's 10 nuclear units generated 48.6 terrawatt hours.



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

- Based on inspections and reviews conducted during the year, Canadian Nuclear Safety Commission staff has concluded that Canada's nuclear power plants operated safely during 2011. Darlington received the highest possible rating of "fully satisfactory" for the third year in a row and Pickering Nuclear received an overall integrated rating of "satisfactory."
- OPG has two important operating licences coming up for renewal in November:

The operating licence for the four reactors at Darlington expires early next year. OPG is seeking a short licence renewal while we complete work in support of an application for a 10-year operating licence, from 2014 to 2024.

The Darlington Waste Management Facility provides interim storage for used nuclear fuel generated at Darlington. OPG is seeking a 10-year operating licence renewal for the facility and approval to construct and operate two additional storage buildings. To learn more about the process and how you can participate, please visit www.nuclearsafety.gc.ca

- Tuesdays on the Trail is a popular family program at the Darlington and Pickering waterfront trails. Working with our partners, OPG hosted thousands of local residents for fun and learning focused on environmental programs.

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