

Performance Report for Darlington Nuclear

Q2 2012

April 1 - June 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 second quarter of 2012.



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

OPG's nuclear electricity generation was 24.2 terawatt hours (TWh) up to the end of the second quarter of 2012 compared to 27 TWh during the same period in 2011. During the second quarter, Darlington Nuclear produced 13.8 TWh 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 second quarter of 2012, Darlington's unit capability factor was 90.6 per cent.



Environment - Performance Index

During the second 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 days due to employee injuries per 200,000 hours worked. During Q2, Darlington Nuclear recorded 1.17 days lost per 200,000 hours worked. This rate is excellent performance and better than the top quartile industry performance set by the Canadian Electricity Association.

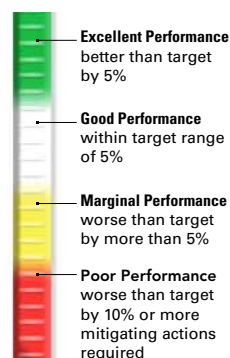


Employee All Injury Rate

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. During Q2, Darlington Nuclear recorded 0.59 injuries per 200,000 hours worked which is within the top quartile industry performance set by the Canadian Electrical Association.



Legend



Performance Report for Darlington Nuclear

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:

- OPG has signed an important Re-tube and Feeder Replacement contract with SNC-Lavalin Nuclear Inc. and Aecon Construction Group Inc. This two-phase contract is to plan for and then replace major components of the four reactors at Darlington. This is the first of a number of contracts that will be awarded for the refurbishment, which involves the replacement of reactor components and maintenance of station systems that have reached the end of their planned lifespan.
- Darlington Energy Complex Takes Shape – Progress continues on the Darlington Energy Complex (DEC) under construction just west of the Darlington Nuclear Station. In keeping with OPG's commitment to environmental protection and accountability, 97.8 per cent of construction waste from the site has been diverted from landfill. Scheduled for completion in 2013, the DEC will function as a critical support facility for OPG's planned Darlington Nuclear refurbishment.
- The safety of our employees, like the safe operation of our nuclear reactors, is a top priority. During the second quarter of 2012, Darlington Nuclear employees achieved 12 million hours without a lost-time injury.
- OPG has assumed direct responsibility for security at its two nuclear stations in Durham Region. Following the September 11, 2001 terrorist attacks in the U.S., OPG partnered with Durham Regional Police Service (DRPS) to provide protection and armed response service at Pickering and Darlington nuclear stations. In 2007, OPG announced it would create its own armed security teams that would include highly-trained, elite recruits – many of which come from a police or military background. A Change of Command ceremony took place at the Darlington Nuclear Station on April 18 to mark the official passing of responsibility and accountability from DRPS to OPG.

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