

Performance Report for Pickering Nuclear

2014 Results

Performance Update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's Pickering Nuclear station in the areas of safety, operations and environment. It also outlines significant accomplishments from the fourth quarter of 2014.



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

Pickering Nuclear produced a total of 20 terawatt hours (TWh) of electricity in 2014, meeting 14 per cent of Ontario's electricity needs. For Q4 2014, OPG's total nuclear electricity generation (Pickering and Darlington stations) was 12.7 TWh compared to 10.7 TWh in the same quarter of 2013. Pickering Nuclear produced 5.2 TWh of electricity in Q4 2014.



Reliability - Unit Capability Factor

Compared to Q4 in 2013, Pickering's unit capability factor for Q4 2014 was higher (75.3) 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

During Q4 2014, Pickering Nuclear recorded one Category C spill when an estimated 30 litres of hydraulic oil leaked from a dewatering pump inside the station. The oil pooled in a nearby floor drain; some of the oil made its way to Lake Ontario. This brings the year-end total to five spills.

Safety

Accident Severity Rate

The Accident Severity Rate (ASR) measures the number of lost days due to employee injuries per 200,000 hours worked. Pickering Nuclear recorded zero days lost per 200,000 hours worked which is excellent performance and better than top quartile safety performance for Canadian electrical utilities with 1500 or more employees.



Employee All Injury Rate

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. In Q4 2014, Pickering Nuclear recorded zero injuries per 200,000 hours worked which is better than top quartile safety performance for Canadian electrical utilities with 1500 or more employees.



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 34 per cent of the Ontario's electricity needs in 2014, OPG's 10 nuclear units generated 48.1 terawatt hours.



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

- OPG's biodiversity efforts were recognized at the 26th Annual Wildlife Habitat Council Symposium during November.
- In 2014, employees at Pickering Nuclear achieved their best safety performance since OPG's inception in the area of All Injury Rate (AIR): 0.22 workplace injuries per 200,000 hours worked. This is better than top quartile safety performance for Canadian electrical utilities with 1500 or more employees.
- On Nov. 26 Pickering Nuclear hosted a community information session. Staff shared information about all aspects of station operations with local residents. Also on hand to provide information about emergency preparedness in the community were representatives from the Canadian Nuclear Safety Commission, Durham Emergency Management Office and City of Toronto Office of Emergency Management. This will be an annual event so please join us at the next information session this fall.
- Over the holiday season, OPG employees at Pickering and Darlington raised a total of \$13,157.62 to support families and charitable groups across Durham Region. A joint effort from various departments at Pickering Nuclear raised \$7,339.50 and supported eight families within the Durham Region. At Darlington, the Children's Food and Toy Drive raised \$5,818.12 and four van loads of food and toys!

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