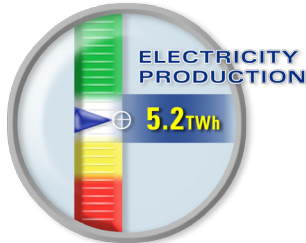


Performance Report for Pickering Nuclear

Q4 2016 Results

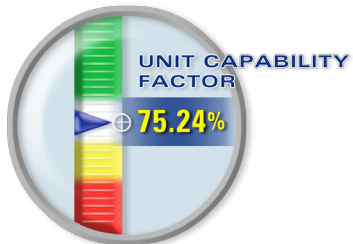
Performance Update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's Pickering 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, Pickering Nuclear produced 5.2 TWh of electricity, which was 14 per cent of the electricity produced in Ontario.



Reliability – Unit Capability Factor:

Compared to Q4 in 2015, Pickering's unit capability factor for Q4 2016 was lower (75.24) primarily as a result of an increase in the number of days the station was shut down for maintenance outages.



Environment – Spills to the Environment:

During Q4 2016, There were no spills to the environment at Pickering Nuclear that were reportable to a regulatory authority. Pickering Nuclear had a total of one reportable spill in 2016.

Safety

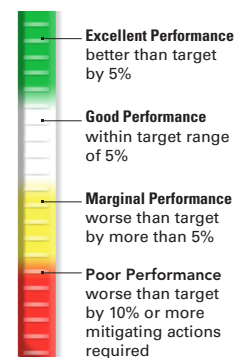
Accident Severity Rate:

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, Pickering Nuclear recorded 6.51 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, Pickering Nuclear recorded 0.49 injuries per 200,000 hours worked which is higher than target but remains within the Canadian Electricity Association top quartile.

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 Pickering Nuclear and across OPG:

- In late October, Ontario Power Generation hosted a series of community information sessions in Scarborough, Pickering and Ajax. Staff members from OPG were on hand to share information on all aspects of operations at Pickering Nuclear, and to answer questions from attendees. Representatives from the Durham Region Emergency Management Office, Durham Health Department, City of Toronto Emergency Management Office and the office of Fire Marshal and Emergency Management were also on hand to provide information and answer questions about their role in emergency planning and preparedness. A site representative from the Canadian Nuclear Safety Commission also attended the sessions to share information about the federal regulator's role.
- Pickering Nuclear employees came together once again this holiday season to give back to the local community. As a result of their hard work, the Generating Change Gate Collections initiative, raised \$3,346 in donations for St. Paul's Ajax-Pickering Community Food Bank, Herizon House, and Salvation Army's House of Hope. In addition, station employees collected food and toy donations for the 28th annual Durham Regional Police Food and Toy Drive. An outstanding amount of food and toys were donated to help brighten Christmas morning around Durham Region.
- The Pickering Waste Management Facility Licence Application was submitted to the CNSC on October 28, 2016. The current operating licence for the facility, located at the Pickering Nuclear site, remains valid until March 31, 2018, and OPG continues to participate in stringent environmental reviews and monitoring of site operations. Related planned expansion activities are in accordance with previous completed and approved Environmental Assessments. The CNSC will hold a public hearing on April 11 and 12, 2017 to consider OPG's application. For more information visit the PWWF Licence Renewal webpage at www.opg.com.

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