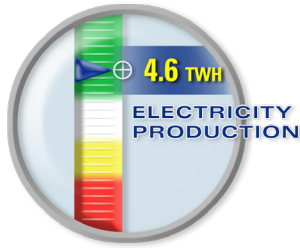


Performance Report for Pickering Nuclear

Q4 2017
Results

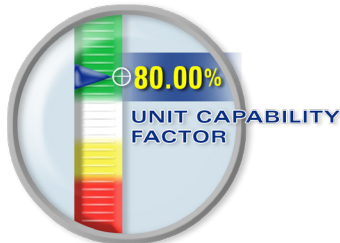
Performance Update

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 2017.



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

OPG’s nuclear electricity generation for Q4 of 2017 totalled 10.1 terawatt hours (TWh) compared to 11 TWh in 2016 in the same quarter. In Q4, Pickering Nuclear produced 4.6 TWh of electricity, which was 12 per cent of the electricity produced in Ontario.



Reliability – Unit Capability Factor:

Compared to Q4 in 2016, Pickering’s unit capability factor for Q4 2017 was higher (80.00) 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 2017, 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 2017.

Safety

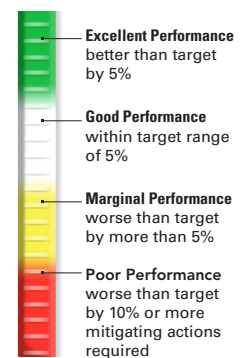
Accident Severity Rate:

The Accident Severity Rate (ASR) measures the number of lost days due to employee injuries per 200,000 hours worked. In Q4 2017, Pickering Nuclear recorded 9.94 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. In Q4 2017, Pickering Nuclear recorded 0.06 injuries per 200,000 hours worked.

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 26 per cent of the electricity produced in Ontario in Q4, OPG's 10 nuclear units generated 10.1 terawatt hours.



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

- In late October, OPG hosted a series of community information sessions in Scarborough and Pickering. Staff members 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 and to share information about the federal regulators role.
- The Darlington and Pickering Nuclear Generating Stations have recently been awarded Gold Certification by the Wildlife Habitat Council (WHC) for their biodiversity programs. The WHC is an international organization which promotes habitat conservation and management on corporate lands through partnerships and education. Over 110 corporations, conservation organizations, government agencies, and academia are members and have received Conservation Certificates for their efforts in habitat protection and community education. OPG has been a member of the WHC since 1997 and has certified many of its generating facilities.
- In December, OPG and more than 30 partner organizations successfully completed a large-scale, emergency preparedness exercise at Pickering Nuclear Generation station. OPG, The Region of Durham, City of Toronto, City of Pickering, and other provincial and federal government agencies worked together, tested each organizations' emergency response plans, and ensured all participants were able to work together to help safeguard the health and safety of the public in the extremely unlikely even of a nuclear emergency. Conducting drills and practicing response capabilities is an ongoing part of OPG's emergency preparedness program and commitment to safety.
- Each December, Pickering Nuclear employees embrace the holiday season by giving back to our community. Our annual Generating Change gate collections took place throughout the month at various entry points. This year, proceeds were directed to Big Brothers Big Sisters, Herizon House and St. Paul's on the Hill Community Food Bank. In addition to gate collections, employees donated a mountain of food and toys in support of the Durham Region Police Service (DRPS) Food and Toy Drive. Now in its 29th year, the DRPS Food and Toy Drive works with numerous community agencies to deliver food and toys to thousands of families across Durham Region.

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

Do you want to discuss any of our performance results with us? If so, please call us at 905-623-7122.