

# Performance Report for Pickering Nuclear

Q2 2017  
Results

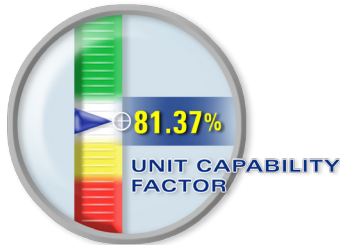
## Performance Update

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 second quarter of 2017.



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

OPG’s nuclear electricity generation for Q2 of 2017 totalled 9.3 terawatt hours (TWh) compared to 10.6 TWh in 2016 in the same quarter. In Q2, Pickering Nuclear produced 5.7 TWh of electricity, which was 16 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor:

Compared to Q2 in 2016, Pickering’s unit capability factor for Q2 2017 was higher (81.37) 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 Q2 2017, Pickering Nuclear recorded one spill to the environment that was reportable to a regulatory authority, bringing the year-to-date total to one spill.

## Safety

### Accident Severity Rate:

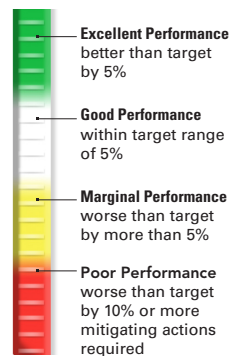
The Accident Severity Rate (ASR) measures the number of lost days due to employee injuries per 200,000 hours worked. In Q2 2017, Pickering Nuclear recorded zero days lost per 200,000 hours worked which is better than the Canadian Electricity Association top quartile industry performance.

### Employee All Injury Rate:

The All Injury Rate (AIR) measures the number of workplace injuries per 200,000 hours worked. In Q2 2017, Pickering Nuclear recorded zero injuries per 200,000 hours worked which is better than 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 26 per cent of the electricity produced in Ontario in Q2, OPG's 10 nuclear units generated 9.3 terawatt hours.



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

In honour of Earth Day, community members joined together on Saturday, April 22, as part of the annual Take Pride in Pickering event. The event included tree planting, litter clean up and interactive environmental booths featuring animal ambassadors from Earth Rangers. This is a joint venture of Ontario Power Generation, the City of Pickering, Toronto and Region Conservation, and other partners in Environmental Stewardship Pickering.

It was a successful sixth year for the Bring Back the Salmon program at OPG. Partnering with Bayview Heights Public School, we worked with 45 grade six students to educate and build awareness about the issues the Atlantic salmon population faces. Over the six months of working together, we transformed knowledge into action. OPG is the lead sponsor of Bring Back the Salmon, a program designed to restore the Atlantic salmon population in Lake Ontario by 2020. In partnership with the Ontario Ministry of Natural Resources and the Ontario Federation of Anglers and Hunters, OPG provides a four-tiered educational program for students that helps restore the salmon population and promote environmental stewardship among tomorrow's leaders. The program's four-tiers included: a Salmon Hatchery Launch at the Pickering Nuclear Information Centre, Brockridge Park Cleanup and Yearling Release, Salmon Fry Release into Duffins Creek in the Claremont Conservation Area, and the Yellow Fish Road Program designed to provide students the opportunity to paint yellow fish by storm sewers in their school's neighbourhood. This serves as a reminder to residents that whatever goes down the sewer drains can affect fish habitats. OPG takes its

commitment to the environment seriously, and Bring Back the Salmon is just one of the programs we enthusiastically provide to foster and enhance biodiversity across Ontario.

On Sunday, May 7, community members participated in the annual Durham Steps for Life awareness walk; a five-kilometre walk along the Pickering Waterfront Trail hosted by OPG, in partnership with Threads for Life. Steps for Life is a flagship fundraiser held each year for Threads of Life, a unique Canadian charity that is dedicated to supporting families who have been affected by workplace tragedies. Their vision is to lead and inspire a culture shift towards zero tolerance of work-related injuries, illnesses and fatalities. The Threads of Life vision directly aligns with OPG's foremost goal of zero injuries. More than \$680,000 has been raised for Threads of Life's family support services through 2017 Steps for Life events which took place across the country earlier this spring.

Another successful Operation Clean Sweep (OCS) was held on Saturday, June 10. Volunteers met at the Pickering Nuclear Information Centre to collect tools and gloves and spend the day helping Ajax and Pickering senior residents with yard work. OCS was set up to provide engineering graduates at OPG a volunteer opportunity to assist seniors in Ajax and Pickering who are no longer physically capable of performing work safely, or unable to hire a company for yard work services. The seniors express heartwarming gratitude to OPG and employees for the helping hands.

For more information go to: [www.opg.com/generating-power/nuclear](http://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.