

### 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 2019.



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

OPG’s nuclear electricity generation for Q2 of 2019 totalled 11.3 terawatt hours (TWh) compared to 8.6 TWh in 2018 in the same quarter. In Q2, Pickering Nuclear produced 5.8 TWh of electricity, which was 16 per cent of the electricity produced in Ontario.



#### Reliability – Unit Capability Factor:

Compared to Q2 in 2018, Pickering’s unit capability factor for Q2 2019 was higher (86.52) primarily as a result of a decrease in the number of days the station was shut down for maintenance outages.



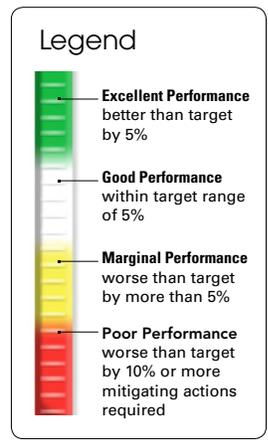
#### Environment – Spills to the Environment:

During Q2 2019, there were no spills to the environment at Pickering Nuclear that were reportable to a regulatory authority.

### Safety

#### Total Recordable Injury Frequency:

The Total Recordable Injury Frequency (TRIF) measures the number of injuries involving OPG employees that result in a fatality, a lost time, requiring restricted work or requiring medical treatment per 200,000 hours. In Q2 2019, Pickering Nuclear recorded 0 injuries per 200,000 hours worked.



## 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 31 per cent of the electricity produced in Ontario in Q2, OPG's 10 nuclear units generated 11.3 terawatt hours.



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

**Bugs in Your Backyard:** On Saturday, April 13, Pickering Nuclear in partnership with Sustainable Pickering, hosted a children's 'Bugs in Your Backyard' workshop. This interactive workshop provided children the opportunity to make cool bug vacuums and learn about the importance of biodiversity in our own backyards. Representatives from Toronto Region Conservation Authority, City of Pickering, Durham Master Gardeners and OPG all pitched in to make this event a success.

**Bring Back the Salmon:** Students from St. Elizabeth Seton Catholic School joined OPG, Ontario Federation of Anglers and Hunters, and Toronto Region Conservation Authority on the banks of the Duffins Creek in Greenwood Conservation Area, to take part in the greatly anticipated salmon fry release! Through the winter and spring months, the students tracked the progress of the 100 salmon eggs, participated in a spring cleanup in BrockRidge Park and learned about environmental stewardship through the Yellow Fish Road Program. On June 5, 2019, students gathered with excitement to release the salmon fry, which only months ago were delivered to their temporary hatchery home located in the Pickering Information Centre. OPG is the lead sponsor of Bring Back the Salmon, joined by the Ontario Ministry of Natural Resources and the Ontario Federation of Anglers and Hunters. By teaching today's young people about the importance of habitat restoration, stewardship and environmentalism, we are supporting happy and healthy communities for years to come.

**Take Pride in Pickering:** Despite chilly temperatures on Saturday, April 28, many hands pitched in to plant over 300 trees and pick up bags of litter in Duffin Heights, Pickering. Along with community members, special guests included the Minister of Finance Rod Phillips, Mayor Dave Ryan, Councillor Shahan Butt and our friends from Earth Rangers. The annual 'Take Pride in Pickering' spring tree planting and cleanup is a joint initiative of OPG, City of Pickering, Toronto Region Conservation Authority and other partners in Environmental Stewardship Pickering.

**Steps for Life Walk:** On Sunday, May 5, over 350 people attended the 2019 Steps for Life Walk hosted at Pickering Nuclear. 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. Special guests included Regional Chair John Henry, Mayor Dave Ryan, MPP Jennifer French and Threads for Life Family Spokesperson Trish Henry-Craw. Special thanks to our Security and Emergency Services team for their involvement in the event. Over \$30,000 was raised in support of Threads for Life programs and services.

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 905-837-7272