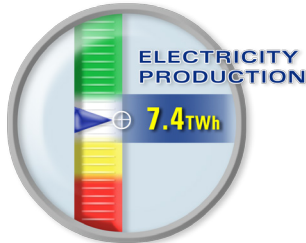


# Performance Report for Darlington Nuclear

Q1 2016 Results

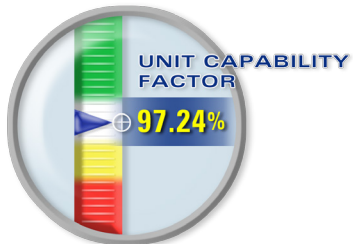
## Performance Update

As part of our commitment to keep you informed, this report tracks performance for Ontario Power Generation's Darlington Nuclear in the areas of safety, operational and environmental performance and significant accomplishments during the first quarter of 2016.



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

OPG's nuclear electricity generation for Q1 of 2016 totalled 12.3 terawatt hours (TWh) compared to 12.2 TWh in 2015 in the same quarter. In Q1, Darlington Nuclear produced 7.4 TWh of electricity, which was 18 per cent of the electricity produced in Ontario.



### Reliability – Unit Capability Factor:

Compared to Q1 in 2015, Darlington's unit capability factor for Q1 2016 was lower (97.24) primarily as a result of an increase in the number of days the station was shut down for maintenance outages.



### Environment – Performance Index:

During Q1 2016, there were no spills to the environment at Darlington Nuclear that were reportable to a regulatory authority.

## Safety

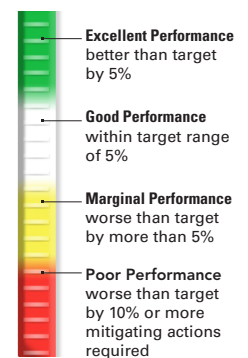
### Accident Severity Rate:

The Accident Severity Rate (ASR) measures the number of lost days due to employee injuries per 200,000 hours worked. In Q1 2016, Darlington Nuclear recorded zero days lost per 200,000 hours worked which is excellent performance and 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 Q1 2016, Darlington Nuclear recorded 0 injuries per 200,000 hours worked which is better than the Canadian Electricity Association top quartile industry performance.

### 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 30 per cent of the electricity produced in Ontario in Q1, OPG's 10 nuclear units generated 12.3 terawatt hours.



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

- In January, the Ontario Government announced its decision to invest in the refurbishment of the first of four units at the Darlington Nuclear Generating Station.

Continued operation of Darlington for 30 more years will preserve local jobs while providing clean, reliable, base load power at a cost lower than other alternatives considered. Refurbishment of all four units is scheduled for completion by 2026. The Province has also approved plans to pursue continued operation of the Pickering Nuclear Generating Station to 2024. OPG will work with the Ministry of Energy, the Independent Electricity System Operator and the Ontario Energy Board to pursue continued operation of the Pickering station to 2024. All six units would operate until 2022; two units would then shut down and four units would operate to 2024. Extending Pickering's operation would ensure a reliable, clean source of base load electricity during the Darlington and initial Bruce refurbishments.
- Families from across Durham Region once again enjoyed our combined Darlington and Pickering March Break programs. Almost 6,000 attended the educational and environmental programs held in conjunction with our community partners including: A Gift of Art, Firehouse Youth Centre, Friends of Second Marsh, All Our Relations Drum Circle, Durham Children's Safety Village, Municipality of Clarington, WindReach Farm and Purple Woods Conservation Area.
- Ontario Power Generation was proud to be the lead sponsor again for this year's Big Brothers Big Sisters 'Bowl For Kids Sake', which is one of the largest fundraising efforts of the year for the organization.
- This spring, a variety of high school, college and university students from across Durham and Scarborough took part in Youth Engagement Workshops held by the Pickering Repurposing team. The goals of the workshops were to identify potential uses for portions of the Pickering Nuclear site once commercial operations has ceased.

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.