

Performance Report for Pickering Nuclear

THIRD QUARTER 2006

This report discusses performance statistics for Pickering Nuclear in the areas of safety performance, electricity production, environmental performance, and significant accomplishments achieved during third quarter of 2006.



Ensuring Public Safety

The number one priority at each of OPG's nuclear stations is to ensure that there are no public safety concerns as a result of our operations. Our nuclear stations are designed with multiple safety systems and are staffed by station personnel who are extremely well trained.

In the four decades that nuclear energy has served Canada's energy needs, no member of the public has ever been harmed as a result of a radiation emission from a nuclear power plant or waste storage facility. An excellent measure demonstrating that the public is protected at all times from radiation emissions is provided by the continuous monitoring of radiation exposure at the perimeter of our stations. Most people are not aware that all Canadians are exposed to naturally-occurring radiation, mostly from the sun and from radon which is found in soil. The average exposure of Canadians is 1,770 microsieverts a year. For example, the food and water we ingest each year accounts for approximately 300 of those microsieverts.

For Pickering Nuclear the estimated exposure during the second quarter of 2006 for people living near the station based on their actual lifestyle characteristics and food consumption patterns was 0.9 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

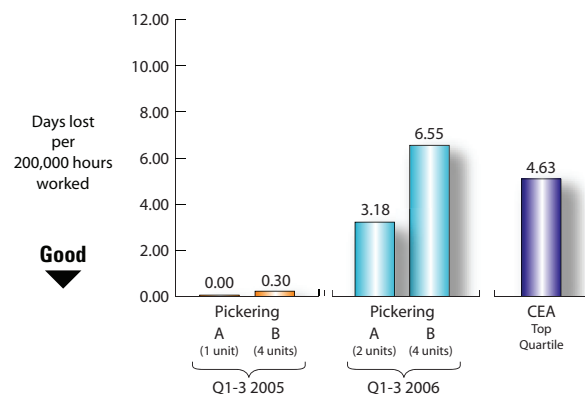


Keeping Our Employees Safe

Pickering A's employee safety performance is better as measured against other companies. This is evidenced by the stations employee Accident Severity Rate (ASR), which measures the number of days

lost due to injuries per 200,000 hours worked. Pickering B's ASR is 1.92 per cent higher than the Canadian Electricity Association (CEA) top quartile performance which was due an ankle injury suffered by an employee.

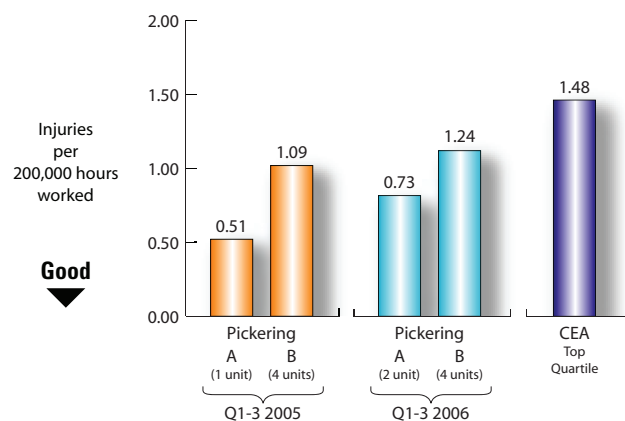
Employee Accident Severity Rate



Pickering A continues to register a strong performance in the employee All Injury Rate (AIR) which measures the number of workplace injuries per 200,000 hours worked.

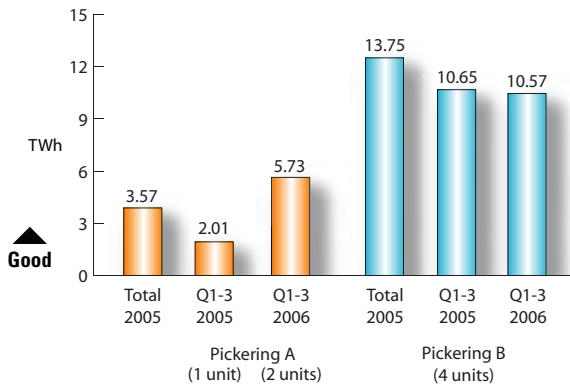
Pickering B's AIR was below the Canadian Electricity Association (CEA) top quartile performance.

Employee All Injury Rate



Electricity Production

Pickering A and B Electricity Production (TWh)



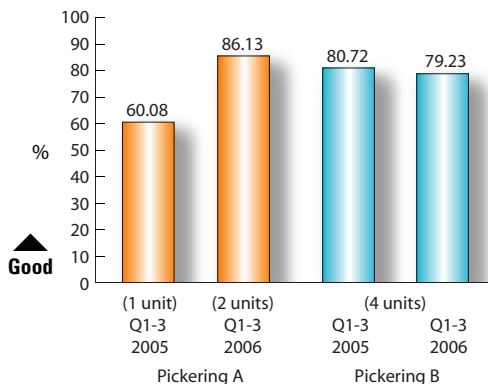
Total production from Pickering A increased from 2.01 terawatt (TWh) to 5.73 TWh over the same period in 2005. The full return to service of Unit 1, combined with a nine per cent increase in production on Unit 4, over same period in 2005, accounted for the overall increase in Pickering A performance. Pickering Unit 4 supplied 0.96 TWh to the Ontario grid, an increase of 9 per cent over the same period last year. At Pickering B, total output from the four reactors for the third quarter was 10.57 TWh compared to 10.65 for the same period in 2005. A terawatt hour is the equivalent of one billion kilowatt hours. The average home uses between 800 and 1,000 kilowatt hours a month.

Unit Capability Factor

Pickering A recorded an improved capability factor of 86.13 per cent compared to a capability factor of 60.08 per cent for the same period last year. The unit capability performance indicator is a percentage of perfect generation a unit is capable of producing during a specified period.

Pickering B saw a slight decrease in its unit capability factor to 79.23 per cent compared to 80.72 per cent for the same period last year due to extended planned maintenance outages.

Unit Capability Factor (%)



Protecting the Environment

The Pickering stations did not record any major or moderate spills of chemicals or other substances, which are reported to the Ontario Ministry of the Environment.

Milestones & Items of Interest

Some milestones and items of interest achieved by Pickering Nuclear and across OPG include the following:

- OPG began an environmental assessment as part of the business case study to determine feasibility of refurbishment of the Pickering B Nuclear plant.
- OPG submitted an application to the Canadian Nuclear Safety Commission for a site licensing application for new nuclear reactors at the Darlington Nuclear site.
- OPG, a member of the Durham Strategic Energy Alliance (DSEA), participated in the University of Toronto Institute of Technology (UOIT) Green Energy Conference held at the university. DSEA hosted a community evening for the delegates, sponsored in part by OPG. DSEA is dedicated to the advancement of energy solutions and initiatives.
- Pickering Nuclear sponsored and participated in the Pickering Millenium Square Waterfront Sign Unveiling and the 'Celebrate Ajax' Waterfront Festival'. OPG is a committed partner in bio-diversity planning in Durham Region.
- Pickering and Darlington Nuclear employees participated in the Durham Children's Groundwater Festival, an educational program reaching more than 5,000 local Grade 4 students on the importance of being a responsible environmental steward.
- 'Tuesdays on the Trail' was a popular family program at Darlington and Pickering waterfront trails. OPG hosted local residents for fun and learning focused on environmental programs.



Do you want to discuss any of our performance results with us? If so, please call us at 905-837-7272