

2006 Performance Report

PICKERING NUCLEAR

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



OPG continues to follow high standards of Public Safety

OPG's ongoing goal is to build a strong safety culture at each of our nuclear stations to ensure that there are no public safety concerns as a result of our operations.

In the four decades that nuclear energy has served Canada's electricity 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 additional exposure in the first nine months of 2006 (most recent data) for people living near the station, based on their actual lifestyle characteristics and food consumption patterns, was 2.9 microsieverts. This is a very small percentage of the amount we each receive naturally and much lower than permitted by regulation.

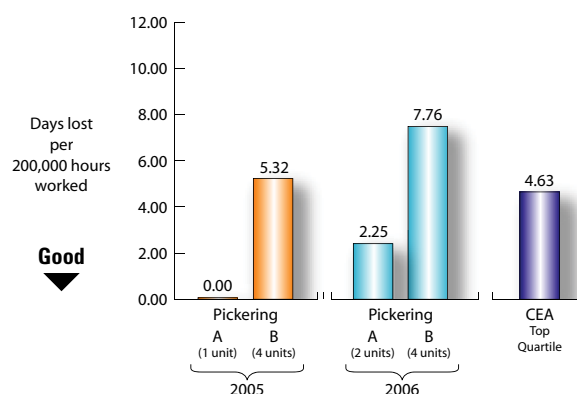
Keeping Our Employees Safe

Pickering A's employee safety performance is good as measured against other companies. This is evidenced by the station's employee Accident Severity Rate (ASR) of 2.25 days, which measures the



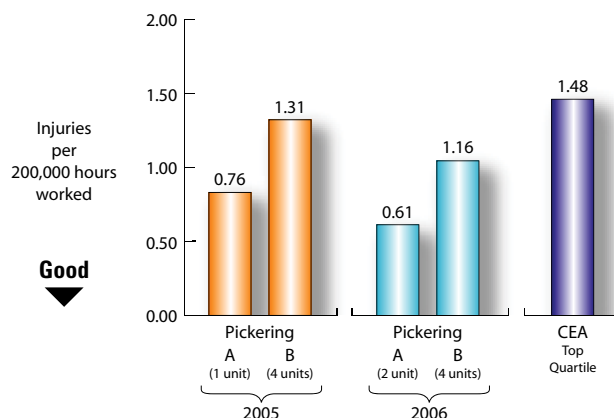
number of days lost due to injuries per 200,000 hours work. Pickering B's ASR is 3.13 higher than the Canadian Electricity Association (CEA) top quartile performance. The most prevalent type of injury contributing to employee injuries involved muscle strains.

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 registered an improved AIR of 1.16 in the fourth quarter. Pickering A and Pickering B both bettered the Canadian Electricity Association (CEA) All Injury Rate top quartile threshold of 1.48 injuries per 200,000 hours worked.

Employee All Injury Rate



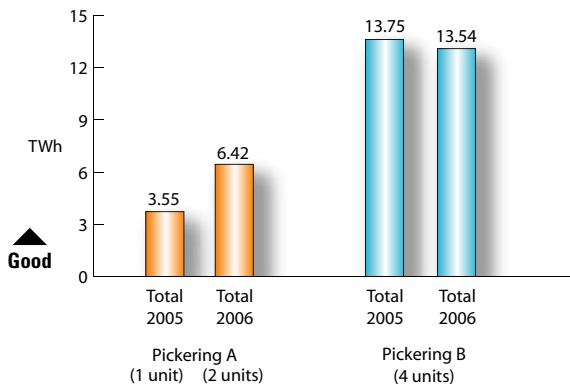
Safety Milestones

The safety of our employees, like the safe operation of our nuclear reactors, is a top priority in our operation. In 2006:

- Pickering A achieved 4 million person hours without a lost time accident.
- Pickering Waste Management Facility achieved 12 years without a lost time accident.

Electricity Production

Pickering A and B Electricity Production (TWh)



Company-wide, Nuclear production was higher in 2006 compared to 2005. OPG's nuclear production for the year totaled 46.92 TWh, an increase of 4.76 per cent over 2005.

Production from Pickering A registered a significant improvement from 2005. Total output in 2006 was 6.42 TWh, an increase of 80.84 per cent compared to 2005. The higher production in 2006 can be attributed to Unit 1 which was returned to service in the fall of 2005.

For 2006, Pickering B registered a decrease in production. Total output in 2006 was 13.54 TWh, a decrease of 1.53 per cent from 2005. The lower production can be attributed to an extended planned maintenance outage on Unit 7 and unplanned maintenance outages on Units 5 and 6.

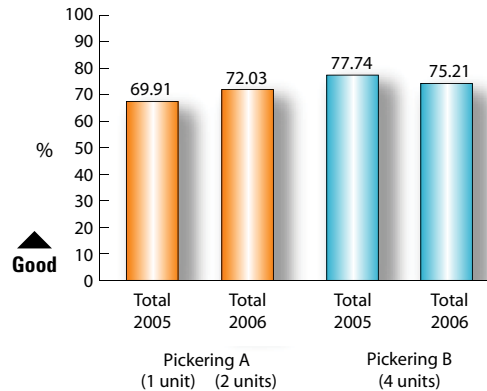
A terawatt hour is the equivalent of one billion kilowatt hours. The average home uses between 800 and 1,000 kilowatt hours a month.

Unit Capability Factor

Another indicator of how well the stations are performing is the unit capability factor – basically a percentage of perfect generation a unit is capable of producing during a specified period. In 2006, Pickering A recorded an improved unit capability factor of 72.03 per cent. This represented a 3.03 per cent increase compared to 69.91 per cent unit capability factor in 2005.

In 2006, Pickering B recorded a unit capability factor of 75.21 per cent. This represented a 3.25 per cent decrease from 2005 which was primarily due to an extended planned maintenance outage on Unit 7 and unplanned maintenance outages on Units 5 and 6.

Unit Capability Factor (%)



Protecting the Environment

During 2006, Pickering Nuclear recorded one moderate spill due to lubricating oil from a condenser cooling water pump motor on Unit 1. The condenser cooling water pumps were repaired and put back into service. The spill was 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 was honoured to be named as one of Toronto's Top 50 Employers for 2006. The award recognized OPG's leadership in attracting quality employees and providing them with excellent career opportunities and benefits.
- In 2006, as part of OPG's annual charity campaign and holiday giving campaign, Pickering Nuclear employees donated almost \$295,000 to charities and local organizations.
- OPG Pickering Nuclear was proud to receive international recognition for its contribution to wildlife habitat education. At the Wildlife Habitat Council's 18th Annual Symposium, Connecting People & Nature, OPG's commitment to environmental stewardship was recognized by achieving Corporate Lands for Learning recertification at Pickering Nuclear.

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