

Neighbours

A part of the community since 1965

Winter 2006

Nuclear output up sharply

Pickering B and Darlington nuclear stations were very good performers in 2005 as OPG's nuclear production increased over 2004.

OPG's nuclear production for the year totalled 45 terawatt hours (TWh), an increase of 6.4 percent over 2004. This represented 41.5 percent of OPG's total 2005 generation.

Year-end results show that electricity output from Pickering B was up significantly in 2005. Its four reactors produced a total of 13.75TWh, an increase of 10 per cent from its 2004 total.

Pickering A also registered a production increase in 2005. Total output was 3.55TWh, an increase of 9.51 percent compared to 2004, but below projections. Unit 4 was removed from service during the second quarter to carry out inspection of the feeder tubes that carry heavy water from the reactors to the steam generators.

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During the recently completed planned maintenance outage for Unit 6, the reactor building was pressurized inside to allow measurement of the integrity of the steel-reinforced concrete building. The employee shown here wearing all appropriate safety equipment, including fall arrest harness, is spraying a specialized solution on the concrete joints looking for leaks. The test results demonstrated the integrity of the building was intact.

Employee dollars support local charities

As part of OPG's annual charity campaign, employees at Pickering Nuclear donated almost \$600,000 to community and charitable organizations.

The money was raised primarily through weekly payroll deductions to charities designated by employees.

A dedicated team of volunteers raised awareness and some additional monies by managing a number of events. For its part, OPG processes and distributes the employee donations so that 100% of the dollars reach the charities.

In 2005, Pickering Nuclear employees further demonstrated their generosity by donating another \$10,000 to local shelters for women

and children, \$18,000 through the Big Bike for Stroke, and \$14,000 to the Million Penny Drive for Christmas toys and food for our less fortunate neighbours. Employees also donated food and toys to Durham Regional Police Services' annual campaign and warehousing space was shared for sorting and distribution.

As a company we strive to build on the foundation of social responsibility and caring established by our employees through our Corporate Citizenship Program. In 2005, we lent financial and in-kind support to more than 200 community organizations reflecting shared values in education, environment, and community involvement.



Pickering recertified for ISO 14001

An external audit of Pickering Nuclear's environmental management system (EMS) late last year, has resulted in Pickering Nuclear's recertification for ISO 14001.

"Several positive attributes of our EMS were identified by the auditors," says Elio Fracalanza, an environment section manager. Strengths included our document control system, fire protection program, use of OPEX (operating experience) to prevent negative

environmental events, waste minimization initiatives, and our internal and external communications.

"Successful recertification for ISO 14001," says Elio, "demonstrates Pickering Nuclear's commitment to pollution prevention, adherence to regulations, and continual improvement."

Darlington Nuclear and all OPG generating stations maintain ISO 14001 certification as part of our commitment to sustainability.

OPG building a winner



The new Nuclear Support Building at 889 Brock Road in Pickering has won the First Place Award of Excellence for 2005 from the Canadian Design-Build Institute.

"It was great to be part of the winning team on this," said Glenn Temple, OPG's Vice President of Real Estate. "The project was a team effort involving Canadian Urban Limited, the owners' representative; McKay-Cocker Construction Limited, the design-builder; Archxes Design, the architects; and OPG, the tenant. Through its design criteria, OPG provided the framework for the final building design."

The CDBI Awards of Excellence are presented annually to recognize excellence in Canada's design-build industry and to acknowledge design-build teams whose projects contribute to the growth and stature of the design-build profession. Award recipients demonstrate the highest standards and principles in the design-build industry and the business community in pursuit of excellence. Projects are judged on the basis of design excellence, innovation and energy efficiency as well as meeting the needs of the user group in terms of function and being on time and on budget.

Nuclear output up sharply continued from page 1

Production from Darlington Nuclear's four units in 2005 was 27.49 TWh, up 3.77 percent over 2004's 26.49 TWh. Each Darlington reactor produces about 881 megawatts, while each Pickering reactor generates about 515 megawatts.

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



A message from Pat McNeil

Pickering Nuclear had a good year in 2005 and we are looking forward to a successful 2006.

As detailed elsewhere in this newsletter, the performance of Pickering

B was up significantly in 2005. Its four reactors produced a total of 13.75 TWh representing an increase in output of 10 per cent over 2004. And all of our units were operating at full power to help satisfy Ontarians demand for electricity over the hot summer.

The hard work by Pickering B staff to improve the performance of the station is paying off.

We are proud of completing the major refurbishment and return to service project for Unit 1. With the resolution of some Pickering A teething problems last year, the challenge in 2006 will be to maximize output from the refurbished Units 1 and 4. I have every confidence that will be accomplished.

Last year saw a significant increase in our presence in the community with the opening of the award-winning nuclear support office complex at 889 Brock Road. This was greeted as a most welcome addition to the community.

We also made a major investment in education through our \$10-million partnership with the University of Ontario Institute of Technology (UOIT). This program will ensure we have a skilled talent pool to draw on in the future.

And of course we supported a number of worthwhile educational, environmental and community-based programs through our Corporate Citizenship Program.

What does 2006 hold for us?

This is a significant year for OPG and the electricity industry as it marks the 100th anniversary of the establishment of the old Hydro-Electric Power Commission with Sir Adam Beck as its first Chairman in 1906. The old HEPC evolved into Ontario Hydro and, in 1999, into Ontario Power Generation.

It's also hard to believe that Pickering Nuclear is celebrating its 40th year in the community!

As we celebrate these two anniversaries, we can look forward to a new century of service to the public, and reflect on all the wonderful benefits that electricity has brought to us in the past 100 years.

Pat McNeil
Senior Vice President
Nuclear Strategy and Support

Pickering staffer saves buddy in underwater drama



Pickering B Mechanical Maintainer Ralph Hoskins (in the foreground) with Jim Kozmik, unaware of the drama about to unfold, as they sail to Cocos Island located off the coast of Costa Rica.

Ralph Hoskins is no stranger to the deep blue sea. This Pickering B Mechanical Maintainer has been diving, teaching diving, and diving with a camera to help dispel the mysteries of the sea, for 26 years. But diving underwater to help save a best friend's life was a new experience for Ralph on his most recent journey to Cocos, a small uninhabited and remote island about 350 kilometres off the coast of Costa Rica.

It was there on August 8 that Ralph and diving buddy Jim Kozmik, a Toronto Police officer living in Ajax, were 35 feet underwater when Jim's rebreather (a device that removes carbon dioxide and recirculates oxygen) stopped working. Ralph saw him go unconscious and start to sink when at 70 feet he finally reached him and struggled to bring him to the surface. Ralph quickly applied his regulator to his friend and forced the air into his lungs. While Jim started to breathe, it was still another 10 minutes before the dive boat arrived to rescue the two men.

With no helicopter or rescue vehicle able to make the long trip at sea, Jim suffered two days at

sea in the boat as it travelled to the Costa Rican coast for help. In serious trouble with his health, suffering pain, and coughing up blood from the seawater he had inhaled, it was a rough ride for Jim. Ralph continued to diagnose and lend aid and comfort to Jim during the agonizing trip to shore.

"Fortunately, there was plenty of oxygen on the boat, because that is what saved

him," says Ralph, not wanting to take credit for shepherding his friend to safety.

At 40 miles (or four hours) off shore, doctors and paramedics were able to come to Jim's aid and accompanied him to port, where he was taken to hospital by ambulance. Following four days in hospital, Jim was then flown home to Canada to recuperate.

"Knowing that we were diving in a remote region, with little to no emergency support, we were using extra safety precautions in checking our equipment and ensuring we never extended our dive times," says Ralph. "My job as a Mechanical Maintainer and one who worked in Procedures for seven years, has taught me the value of following procedures and working safely."

Confident of his abilities and not afraid to head back out, Ralph's next dive is off the British Isles. He will be a part of an expedition team for the History Channel, filming the HMCS Regina, a WW2 corvette that was torpedoed by a German U-boat in 1944.

Studies show no release following aircraft crash

In discussing a potential airport in Pickering, some concern regarding the proximity to Pickering Nuclear has been expressed. As you would expect, a good deal of study has been conducted at all Canadian nuclear stations (including Pickering) into the impacts of aircraft crashes, either by accident or deliberately.

"The possibility of a deliberate crash is the subject of studies that were performed collaboratively among all nuclear licensees in Canada, using similar studies done in the United States and Europe as benchmarks," reports Stan Harvey, OPG's Vice-President of Nuclear Security.

The analysis considered worst-case scenarios and assessed the consequences to the physical plant structures due to both aircraft impact and fires caused by resulting fuel explosions. "The case of an aircraft packed with explosives was also assessed," says Stan. "All studies were submitted to our federal regulator the CNSC (Canadian Nuclear Safety Commission)."

The studies have demonstrated that the worst-case aircraft crash would not cause a release of radioactivity to the public.

Decommissioning and fuel disposal funding set aside

OPG has set aside the full amount of money that is expected to be required for the eventual decommissioning of its nuclear generating stations and approximately 60% of the costs estimated for long-term disposal of its used nuclear fuel.

"As a generator of nuclear waste, OPG believes that having the necessary decommissioning and waste management funds collected and set aside is the responsible thing to do," said Jim Hankinson, OPG's President and CEO. "Setting aside funds today takes the burden off future generations."

Since its inception in 1999, OPG has set aside approximately \$400 million per year in segregated funds to ensure sufficient funding of the future costs for decommissioning and nuclear waste management. At the end of December 2005, the net asset value of the segregated funds was approximately \$6.8 billion. These assets are maintained in third party custodial accounts that are segregated from the rest of OPG's assets.

In determining the long-term costs for decommissioning its nuclear generating stations and disposing of its nuclear waste, OPG has drawn on considerable international experience and has employed recognized independent third party consultants to validate assumptions and estimates. OPG regularly submits these evaluations to its regulator, the Canadian Nuclear Safety Commission, for review and acceptance.

OPG remains committed to fully funding its long-term decommissioning and nuclear waste management liabilities.

March Break **MADNESS** 2006

Looking for something fun to do with your family during March Break? JOIN PICKERING NUCLEAR for great family fun. There is something for everyone! Please Note: Children must be accompanied by an adult.

FREE

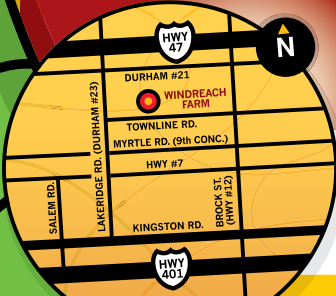
Monday, March 13, 7:00 p.m. - 9:00 p.m.
splash...splash
swim

Pickering Recreation Centre
Splash away with your family at the Pickering Recreation Centre, 1867 Valleyfarm Rd. Admission is FREE during program hours.

Tuesday, March 14 & Thursday, March 16, 10:00 a.m. - 2:00 p.m.
WindReach Farm

Enjoy a day on the farm with your family. Walk along the nature paths, meet the animals, visit the stables and farm museum, make a craft with Friends of Second Marsh, enjoy a wagon ride and much more. Dress warmly.

A \$5 donation to WindReach would be greatly appreciated. WindReach Farm is a charitable organization that offers a working farm experience specially designed to enrich the lives of persons with disabilities. Fully wheelchair accessible.



ONTARIO POWER GENERATION



Backyard BIRD BONANZA

Wednesday, March 15, 12:00 p.m. - 2:00 p.m.

Pickering Nuclear Information Centre

Bring your recycled materials to build a bird feeder with your family. Bring sturdy items such as wood, hard plastic, plastic pop bottles, popsicle sticks and your imagination to build a beautiful bird feeder for your backyard. Learn about hawks and backyard birds with the **Canadian Peregrine Foundation**. To view a Live Webcam and learn more about birds, check out www.peregrine-foundation.ca, and view birds in action at the Ontario Science Centre at www.tvokids.ca. **Event is FREE.**

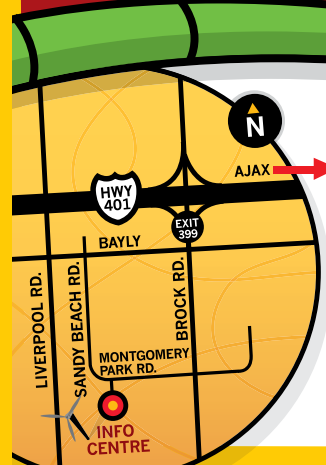
Friday, March 17, 9:30 a.m. - 2:30 p.m.
EARLY SETTLERS

Purple Woods Conservation Area
Maple Syrup Festival

Enjoy a fun day of activities with the Pickering Museum Village. Rope-making, candle-dipping and baked beans around a campfire. Dress warmly. Note: \$5 per family park admission fee to Purple Woods. All OPG sponsored activities are **FREE**.



For more information on our March Break program, please call the Pickering Nuclear Information Centre at 905-837-7272.



ONTARIO POWER GENERATION

Live life to the fullest...safely!

In late November, more than 4,000 Grade 9 and 10 students from all secondary schools in Pickering and Ajax participated in a powerful presentation on living life to the fullest...safely!

OPG was pleased to partner with SCOPA (Safe Communities of Pickering and Ajax) to have the students attend the

SMARTRISK - Heroes presentations with its key messages:

**Buckle Up. Look First.
Wear The Gear. Get Trained.
Drive Sober.**

These messages are reinforced with personal vignettes in videos and live

questions and answers with an injury survivor.

"These presentations leave a lasting impression on the young people in our communities," says Tracy McMurray, Town of Ajax Youth Coordinator and Chair of SCOPA Youth. "Thank you again to OPG for supporting these presentations."

Neighbours

Pickering Neighbours is published quarterly for the neighbours of Ontario Power Generation at Pickering Nuclear.

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ONTARIO POWER GENERATION