

DARLINGTON NUCLEAR

Neighbours Newsletter

IN THIS
ISSUE

2009 DARLINGTON
AND OPG HIGHLIGHTS

ENVIRONMENTAL
LEADERSHIP

UPDATE ON NEW
NUCLEAR EA

MARCH BREAK
MADNESS

Durham OPG Employees Give the Community a Boost



OPG's Glenn Jager presented the food and toys collected by Darlington employees to Doug Cavanaugh, Durham Regional Police Services – enough to fill six vans! The collection was one of many opportunities for Darlington employees to give back to the community.

Local charities got a big boost as OPG employees across Durham have dug deep to help those in need. Employees working at locations across Durham Region have donated more than \$900,000 in support of community charities as part of OPG's annual employee charity campaign. OPG employees across the province donated a total of \$1.96 million dollars.

"This is welcome news for many less-fortunate families in our communities and the organizations that support them," said OPG's Chief Nuclear Officer Wayne Robbins, a resident of Durham. "We're pleased to be in a position as a company and individuals to offer this type of support, especially during these tough economic times. Many of our staff live here in Durham Region, so it is very important that we support the community where we live and work."

One of the advantages of the campaign is that employees can designate their charity of choice. Local charities benefiting from the campaign included Durham Region hospitals, the United Way, community care agencies, women shelters and many more important environmental, educational and community support organizations. As well, OPG absorbs the costs of processing and delivering the donated funds to the charities. There is no administrative fee deducted so 100 per cent of the employees' donations go straight to the charity.

OPG Announces Nuclear Investment Strategy

OPG has announced a two-part investment strategy for its current nuclear generating stations in Durham Region:

OPG will proceed with a detailed planning phase for the mid-life refurbishment of the Darlington Nuclear station, with construction expected to start in about 2016. The next phase will include an Environmental Assessment and an Integrated Safety Review leading to a plan that will define the scope, cost and schedule of the refurbishment project.

OPG will also invest \$300 million to ensure the continued safe and reliable performance of the Pickering B station for approximately 10 years. Following this, OPG will begin the

longer term decommissioning process as refurbishment for Pickering B station will not be pursued.

In addition to this investment decision, OPG also continues the planning and regulatory work for construction and operation of new nuclear stations at its Darlington site.

This edition of *Neighbours* newsletter includes a two-page added insert outlining all the details of the announcement. To learn more about the announcement, visit www.opg.com or call our Information Centre at 905-623-7122.



ISO 14001 Certification - Darlington Nuclear
Environmental Management System

ONTARIOPOWER
GENERATION

A Snapshot of Highlights from Darlington and OPG in 2009

- Darlington employees worked more than 5 million hours without a lost-time injury.
- OPG earned a Gold Award from Electrical Utility and Safety Association, 4th year in a row.
- Darlington produced 26 terawatt hours of electricity, meeting 19 per cent of Ontario's electricity needs.
- OPG produced almost two-thirds of the province's electricity and almost 90 per cent of that power was produced with virtually no smog or greenhouse gas emissions.
- Employees safely completed OPG's largest and most complex nuclear project of the year, Darlington's Vacuum Building Outage, which required the shut down all four Darlington reactors to allow inspection and maintenance of the station's critical safety systems.
- Darlington was evaluated by a group of international nuclear industry peers who conducted an in-depth review of our processes and practices. The result was the best evaluation ever received by Darlington or any other nuclear station in Canada.
- OPG was awarded the highest honour achievable from the Wildlife Habitat Council for a company-wide history of excellence and commitment to biodiversity.
- OPG submitted the "Environmental Impact Statement" and the Application for "Licence to Prepare Site" for New Nuclear at Darlington.



Photo courtesy of Metroland Durham Region Media Group

Proud to "Bowl for Kids' Sake"

OPG is a proud supporter of Big Brothers and Sisters of Clarington, and was pleased to sponsor their annual "Bowl for Kids' Sake" for the 10th year. It was an "Olympic-sized" success! Pictured above (left to right) are OPG's Cate Martin, Little Sisters Kelsey Cyr and Taylor Rose, and Darlene Brown, Executive Director of Big Brothers and Sisters of Clarington. For information about their programs call 905-623-6646.

Water Release at Darlington

On Dec. 21, Darlington experienced an inadvertent release of purified (demineralised water) which resulted in an overflow of 210,000 litres of water to the environment. Although the water contained low levels of tritium and hydrazine, there was no measurable impact on local drinking water.

On that day and in the weeks following, we provided the community, media and our regulatory bodies with regular updates on the details and water sampling test results, all of which showed normal levels.

Darlington Nuclear has earned a strong safety and performance record over years of operation, recognized internationally as well as here in Canada. However, the fact this occurred is significant to everyone at OPG. An investigation was immediately launched and steps taken to ensure it is not repeated again.

Details and copies of our communications with the community are posted on our website, www.opg.com.



A message from Stu Seedhouse, Senior VP

Darlington Nuclear plays a key role in helping OPG to power Durham

Region and the rest of the province. In 2009, our station produced 19 per cent of the electricity used by the people of Ontario. I am very proud of this contribution and of many other successes achieved by Darlington Nuclear employees last year (see some of our highlights on the left). We have earned a strong safety and performance record over many years of operation, recognized internationally as well as here in Canada. We are proud of this record.

Like many of our employees I work and live here in Durham Region with my family, and care deeply about the well-being of our community. All of the employees at Darlington understand the important responsibility we have in delivering safe, clean and reliable electricity. You have our commitment that we will continue to focus on improvements in safety and station performance, as well as transparent communications with the community on our operations, as was evidenced during an inadvertent release of water in December (see article on page 2).

With the recent announcement that OPG will proceed with a detailed planning phase for the mid-life refurbishment of the Darlington station, 2010 will certainly be a busy year. I look forward to the year ahead and to sharing our successes and challenges with you.

Stu Seedhouse,
Senior Vice President,
Darlington Nuclear

OPG Honoured for Environmental Leadership in Durham



OPG's Beverly Forget (centre) proudly accepts the 2009 Watershed Award from Rick Johnson, CLOCA Vice-Chair and Regional Councillor from Pickering (left), and Gerry Emm, Chair of CLOCA and Regional Councillor from Whitby (right).

In December, the Central Lake Ontario Conservation authority (CLOCA) held their bi-annual Watershed Awards and Environmental Expo. "Working together for a healthy watershed and environment" was the theme of the free family event, bringing together citizens, businesses and community groups from across Durham to learn about many community environmental activities.

At the event, CLOCA also presented their annual Watershed awards to individuals, community groups and businesses that make a positive impact on the environment.

OPG was pleased to participate in the expo to highlight our environmental activities and water safety initiatives. Not only did we participate, but OPG's Darlington and Pickering Nuclear stations were honoured with a CLOCA Watershed Award recognizing our ongoing support and participation in the Durham Children's Groundwater Festival.

The annual festival, launched in 1998, hosts 5,000 Grade 4 students each year to motivate them to become water stewards in their classrooms, homes and communities. OPG is proud to support this valuable curriculum-based program each year, as well as many other activities in partnership with CLOCA, including the Durham Region "Envirothon" high school environmental competition, Purple Woods Festival, and other events during OPG's March Break and "Tuesdays on the Trail" community programs.

Update on New Nuclear Environmental Assessment

On Feb. 3, the Joint Review Panel (JRP) for the Darlington New Nuclear Project requested that OPG (the project proponent) provide additional information in support of the Environmental Impact Statement (EIS) and Application for a "Licence to Prepare Site".

The Federal authorities have been reviewing the materials submitted by OPG last year and have now

identified where they would like more information. OPG has an established process in place to review and respond to each question/information request.

More information about the Joint Review Panel and their process can be found on the Canadian Environmental Assessment Agency website at www.ceaa-acee.gc.ca.

OPG Supports Haiti

OPG employees and pensioners dug deep to support the people of Haiti following the devastating earthquake, donating approximately \$180,000 through the OPG payroll deduction program. With the Canadian Government's pledge to match all monies raised by Canadians, this total became more than \$250,000.

As well, employees supported the Durham Regional Police Service in their efforts to collect and ship tents for the people of Haiti to use as emergency shelter. In a matter of a few days, more than 70 tents were collected at the Pickering and Darlington stations.

Unit 4 Outage Underway

Darlington's Unit 4 is currently off-line for a scheduled maintenance outage. During the outage, maintenance and inspection will be conducted on the station turbines and steam generators, as well as routine inspections on reactor components and fuel channels.

The outage is part of OPG's long-term asset management program, to ensure safe and reliable operations and optimum performance over the lifetime of the station. The timing of the outage was approved by the Independent Electricity System Operator (IESO), which has responsibility for ensuring there are adequate resources to meet expected demands for electricity.

OPG Seeks Licence Renewal for Pickering A

Nuclear stations in Canada are federally regulated and operate under licences issued by the Canadian Nuclear Safety Commission (CNSC) for specific periods of time. Prior to the expiry date of an operating licence, OPG must seek renewal of our operating licences. Currently, Pickering A operates under a five-year licence which will come to an end this year.

OPG believes its programs (to ensure the safety of employees and the public and protection of the environment) warrant a renewal of the operating licence for a period of five years, and CNSC staff have submitted a commission member document to the Commission, recommending their approval of a five-year licence for Pickering A as well.

Day 1 of the hearings was held in Ottawa on Feb. 17 and Day 2 will be held in Pickering on May 21. For more information about the hearings, visit the CNSC website at www.cnscccsn.gc.ca.

MARCH BREAK MADNESS 2010

OPG DARLINGTON NUCLEAR

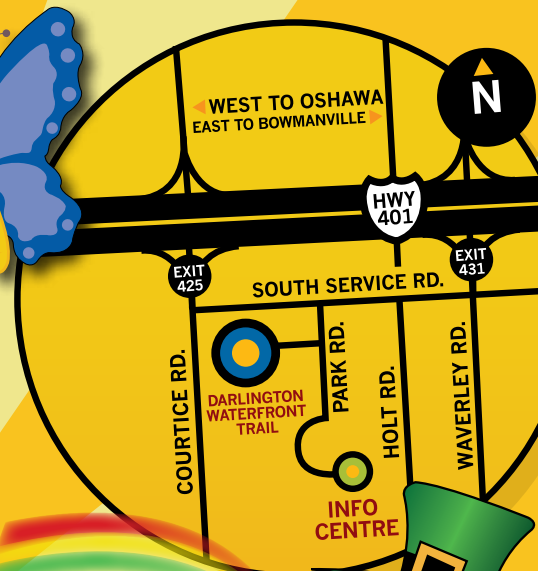
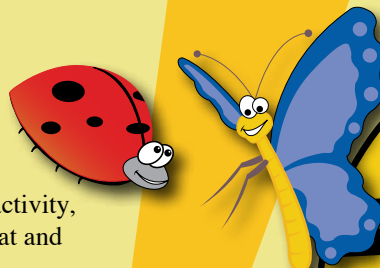
JOIN US FOR FUN, FREE, ENTERTAINING AND
EDUCATIONAL FAMILY-FRIENDLY ACTIVITIES!

CHILDREN MUST BE ACCOMPANIED BY AN ADULT.

SIGNS OF SPRING - FREE

Monday, March 15 – 9:30 a.m. to 2:30 p.m.
Darlington Waterfront Trail

Explore the trail, join Friends of Second Marsh for a fun nature activity,
go for a horse-drawn wagon ride and warm up with a yummy treat and
hot drink around the campfire.



COMMUNITY SKATE - FREE

Tuesday, March 16 – 9:30 a.m. to 1:30 p.m.
South Courtice Arena (1595 Prestonvale Road, Courtice)

Strap on your skates, put on your helmet and go for a spin.
Skating is fun for everyone!

Pad A – Parents & Tots Skate; Pad B – General Public Skate



ST. PATRICK'S DAY PARTY - FREE

Wednesday, March 17- 9:30 to 11:30 a.m. **OR** 12:30 to 2:30 p.m. Darlington Information Centre

Pre-registration required! Register at opg.com/community or call 905-623-7122.

Put on your green and join us for a wee bit'o fun at our St. Patrick's Day party.
We'll have games and crafts and lots of green, all of them with an Irish theme.



SPIN! POP! BOOM! WITH 'MAD SCIENCE' - FREE

Thursday, March 18 – 9:30 to 11:30 a.m. **OR** 12:30 to 2:30 p.m.
Darlington Nuclear Information Centre

Pre-registration required ! Register at opg.com/community or call 905-623-7122. Space is limited – suitable for ages 5 to 12.

Prepare to be amazed by the incredible and surprising world of science. Participate in
fun, hands-on activities to create cool objects you can take home.



BREAKFAST WITH THE BIRDS

@ Purple Woods Conservation Area Maple Syrup Festival - Friday, March 19 – 10 a.m. to 2 p.m.

Create and take home your own 'breakfast with the birds' feeder and take a trip back in time to visit a pioneer school
classroom. Purple Woods is located in Oshawa, ~ 20 minutes north of Taunton Road, at the intersection of Simcoe
Street and Coates Road. (Note: \$7 per family admission fee to Purple Woods. OPG-sponsored activities are free.)



For more information: phone 905-623-7122 or email darlingtonnuclear@opg.com

Neighbours

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GENERATION**



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Moving To Planning Phase For Darlington Refurbishment



Ontario Power Generation (OPG) has announced an investment strategy for its nuclear generating stations in Durham Region.

First, the detailed planning phase for the mid-life refurbishment of the Darlington Nuclear generating station will proceed, with construction expected to start in about 2016.

"The business decision to move forward with an investment in Darlington comes after very positive outcomes of initial studies on the plant's condition and continued strong operating performance," says Bill Robinson, Executive Vice President, Nuclear Refurbishment, Projects and Support.

The next phase of the process will include an Environmental Assessment and an Integrated Safety Review leading to a plan that will define the scope, cost and schedule of the refurbishment project.

OPG will also invest an additional \$300 million in continued operation of our Pickering B station for about 10 years. Following this, we will begin the longer-term decommissioning process as refurbishment for the Pickering B station will not be pursued. The first step in this process is to lay up the reactors and place them into safe storage; a major project requiring many highly-skilled and trained individuals.

OPG continues to proceed with work that supports the construction and operation of a new nuclear station located at the Darlington site. The Environmental Assessment and site licence work for a potential new build will continue in parallel with the above investment activities.

Staff currently working at Pickering Nuclear will have future opportunities with the Pickering safe storage project, Darlington refurbishment and operations, and, at potential new build at Darlington.

Extensive safety, environmental and equipment reliability studies conducted at the station concluded the Pickering plant can continue to operate safely and reliably to meet the province's energy needs through to 2020. OPG has indicated to the Canadian Nuclear Safety Commission, that later this year, it will file a Continued Operation Plan that takes Pickering B to its end of operations.

"OPG is committed to continued business investment in Durham Region to meet the electricity production needs of Ontarians," said Tom Mitchell, OPG's President and CEO. "Investing in refurbishment at Darlington and continuing operation at Pickering B provide the best value for the people of Ontario."

Our Continued Community Commitment

We appreciate the support of our host community that allows us to operate our nuclear generating stations. We understand that it is a privilege and not a right to do so. With that in mind, we are committed to:

- ✓ Continue our focus on excellence in operating our stations with safety as our overriding priority.
- ✓ Continue our investment for inspection and maintenance of our reactor systems; meeting or bettering all regulatory expectations – an additional \$300 million over the next 10 years at Pickering B.
- ✓ Continue to communicate in an open and transparent manner.
- ✓ Continue to be a positive economic driver in our communities through our operations, projects, and leadership in business building organizations.
- ✓ Continue to be a leader in community building through our Corporate Citizenship Program and employee volunteerism.
- ✓ Continued community involvement during the extensive project work for safe lay up and safe storage of the reactors and decommissioning of the Pickering stations.



A Message from Wayne Robbins, Chief Nuclear Officer

Our announced investment strategy for Ontario Power Generation's current nuclear assets is the right decision for our company and our employees'

future. More importantly as the people's power company, we are taking these steps because they are in the best interest for electricity consumers in Ontario.

The positive decision on continuing the detailed planning phase for mid-life refurbishment of Darlington was made possible by the strong results of initial studies on the station's condition and its operating performance. It's important to note that design modifications and operations of our Darlington station was based on our experiences at Pickering Nuclear. This experience contributed in no small measure to that success.

The decision not to refurbish Pickering is an emotional one for many – particularly for those of us that spent part of our careers at

that station. Pickering Nuclear's generating stations have been workhorses for the people of Ontario since 1971, producing 672 terawatt hours so far in their lifetime. That's enough energy to power the entire province for more than four years.

Our highly-skilled employees are passionate about their work and the contributions OPG make to the lives of Ontarians by supplying safe, clean, reliable, and cost-effective electricity.

It's that passion, along with a shared commitment to excellence that make me confident that our neighbours in Durham Region and the people of Ontario can count on a successful Darlington refurbishment. Equally, the Pickering stations will continue to operate safely and effectively through to their very last day of service.

In closing, I thank you for continued strong community support that we consider our licence to operate. And I thank our employees for their continued contributions in powering Ontario.



Energy Minister Supports Nuclear Investment Strategy

Minister of Energy and Infrastructure for Ontario, Brad Duguid has expressed his support on two fronts for Ontario Power Generation's investment

strategy for current nuclear assets.

"As Ontario's generating company, OPG's nuclear and hydro fleets are the backbone of the provincial electricity system," said Duguid.

"I support this business investment strategy as it aligns with the government's vision for a clean energy future."

"It is also respectful of employees and it will ensure continued economic benefits to the people of Durham Region and Ontario," added Duguid.

The minister has also confirmed his commitment to bring new nuclear units to Durham's region Darlington site.



Key To Darlington Refurbishment Success

As the head of the successful Return to Service Project for Pickering Unit 1, Bill Robinson understands what's required for the Darlington Refurbishment project to be successful.

"The key is having a clear understanding of the scope and cost of the work we need to do, well before we start construction," said Robinson, Executive Vice President Nuclear Refurbishment, Projects and Support.

In planning the Darlington refurbishment, Ontario Power Generation will build on the accomplishments and lessons learned during the Pickering A return to service and the Pickering safe storage project as well as from benchmarking other projects within the industry internationally. Pickering Unit 1 had its best year of production in more than 30 years in 2009. As well, the safe storage project for Units 2 and 3 is currently tracking on budget and on time for completion this year.

This phase of the Darlington refurbishment will also reflect the same thorough process undertaken for the Pickering B Environmental Assessment and Integrated Safety Review.

Pickering Nuclear's Contributions:

We appreciate the support of our host community that allows us to operate our nuclear generating stations. We understand that it is a privilege and not a right to do so. With that in mind, we are committed to:

- ✓ Pickering A and B stations have produced 672 terawatt hours in their lifetime. That's enough energy to power the entire province for more than four years.
- ✓ In 2009, the Pickering B station produced a record amount of energy (about 15 terawatt hours) at a cost to the consumers of 4.8 cents per kilowatt hour. That compares very well with other sources of electricity.
- ✓ In 2009, Pickering Unit 1 had its best year of production in more than 30 years.
- ✓ Contributes to Ontario Power Generation being one of largest employers in Durham Region with highly educated and skilled opportunities now and in the future.
- ✓ Strong economic driver in our communities through our operations, projects, and leadership in community building organizations.
- ✓ Invests more than \$200,000 annually in community partnerships to enhance educational opportunities for youth, environmental stewardship, and community building.
- ✓ Employees across Durham Region donated countless volunteer hours, and more than \$900,000 to charities and community organizations through annual charity campaign in 2009.