

SPRING 2013

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PICKERING NUCLEAR

Neighbours Newsletter

IN THIS
ISSUE

SAFETY
MILESTONE

SAFE AND
RELIABLE

PUBLIC ALERTING
SYSTEM INSTALLED

TUESDAYS ON
THE TRAIL

City to Study Impact of Pickering Nuclear Retirement

OPG has agreed to fund two City of Pickering managed studies on impacts and opportunities following the retirement of the Pickering Nuclear generating station in 2020.

"This latest agreement with OPG is a testament to their long-standing commitment to our city," said Mayor David Ryan, City of Pickering.

The first study will look at the financial and economic impact, including direct job losses, indirect job losses, and potential loss of tax revenue. The second study will investigate options for future land use at the Pickering Nuclear site.

"OPG values our relationship with the City of Pickering," said Chief Nuclear Officer Wayne Robbins. "We look forward to continuing to work closely with Mayor Ryan and their entire team."

A process to examine site repurposing opportunities was initiated at OPG last year and we believe these studies are complementary. We plan extensive community consultation as we progress toward a mutually agreeable path forward.

Ajax Civic Award



OPG was recognized for their environmental leadership and presented an award from Councillor Joanne Dies (middle) of the Town of Ajax at their recent Civic Awards Celebration. Congratulations to all Civic Award recipients – especially Tanesha Thirukkumar for the Youth Civic Award and Brenda Walters for the Adult Civic Award. Pictured here are Cheryl Johnston and Don Terry of OPG receiving the Civic Award on behalf of all Pickering Nuclear employees and our many community partners and volunteers.

10 Million Hours With No Lost-Time Injuries

Employees of Pickering Nuclear have now worked for two full years without suffering a lost-time injury.

That's more than 10 million hours of safely completing routine and unique or specialized tasks. And safety performance like that is no accident.

"The last injury to a Pickering Nuclear employee resulted from a slip and fall at the bottom of parking lot stairs," said

Senior Vice President Glenn Jager. "That underlines the importance of a safety focus in everything we do – even what we might consider routine tasks or activities."

At OPG, we believe that Zero Injuries is achievable and it's something that we're always striving for.

"At the end of every shift, we want all of our employees to return home to their families in good health," said Jager.

ONTARIOPOWER
GENERATION



A message from Glenn Jager, Senior Vice President, Pickering Nuclear

Many of us can't help but grumble a little when it's time to get our picture taken and renew our licence to operate a motor vehicle. Our licence to

operate the Pickering Nuclear station expires on June 30, and as you would expect, the process for renewal is quite a bit more rigorous. What might surprise you is that we look forward to our station relicensing process.

We began the process with the Canadian Nuclear Safety Commission (CNSC) earlier this year. The first public hearing was held in Ottawa in February when we presented our application (more than 300-pages) seeking a five-year licence renewal. CNSC staff were there to deliver their recommendation as well.

We believe we've earned another five-year licence to operate Pickering Nuclear. The CNSC evaluates us in nine safety-related areas. In all of these important areas, OPG continues to meet or better performance expectations.

In their latest annual report, Safety Performance of the Canadian Nuclear Power Industry, the CNSC confirmed Pickering Nuclear had operated safely with no harm to the environment or the health and safety of workers or the public.

CNSC staff are in our station providing oversight and monitoring our activities on a constant basis. They have recommended a five-year licence renewal.

The CNSC will be holding another three days of public hearings at the Pickering Recreation Complex on May 29, 30 and 31. We will present again, but this is really an opportunity for organizations and individuals to share their views with the CNSC review panel.

We're pleased that the CNSC received about 60 letters of support from a good cross-section of our host community. About 15 of those groups and individuals will deliver oral interventions at the hearings. We truly appreciate their support.

Of course, there will be groups and individuals with opposing views at the hearings. Public hearings are held to ensure all perspectives are considered.

Pickering Nuclear has been operating safely for more than 40 years. Everyone that works here has safety as their unwavering priority – and for good reason. We work here and we live nearby with our families. This is our home too.

If you have any questions or concerns about the hearings process or any aspect of our operations, please call us at 905-837-7272 or e-mail us at: pickeringnuclear@opg.com.

Duffins Marsh Lagoon

OPG has struck a partnership with the Toronto and Region Conservation Authority (TRCA) for restoration of the southwestern lagoon in the Duffins Marsh Complex.

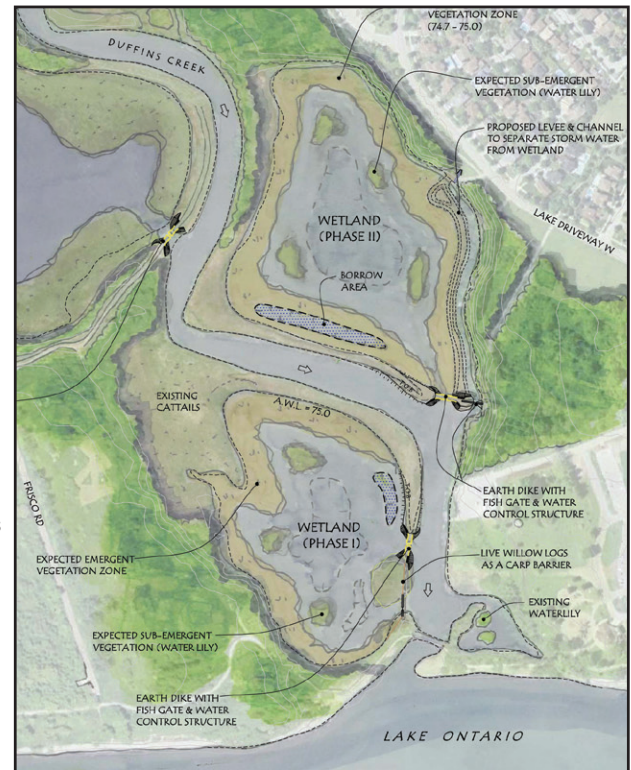
Over the next three years, OPG will provide up to \$500,000 for restoration work including designs, regulatory approvals, and construction. Physical work is scheduled to be completed during the winter of 2014/2015.

"We're pleased to partner on this project," said Raphael McCalla, Director of Environment. "It builds on our successful partnership restoring Corner Marsh."

Corner Marsh is the largest lagoon (17 hectares) within the Duffins Marsh wetland complex. On top of increased emergent vegetation and submergent aquatic plants, the site has become a significant habitat for fish and wildlife.

Corner Marsh now has multiple broods of waterfowl, including wood ducks, gadwalls, and blue winged teals. It is a significant migratory stopover location and a major feeding area for birds like caspian terns, great blue herons, belted kingfishers, and egrets. Last year at least three nests were spotted in the marsh for bitterns (designated a Species At Risk).

Corner Marsh now has the largest population of muskrats along the northwest shoreline of Lake Ontario and has also attracted a family of river otters.



A layout of the marsh area. The wetland being restored is noted as Wetland (phase I), closest to the Lake Ontario shoreline.

Avoiding Spills

How has Pickering Nuclear managed to experience only minor spills for almost 10 years?

"We recognize that we operate right next to Lake Ontario, said Glenn Jager, Senior Vice President. "So we've implemented many measures to prevent and minimize any potential spill."

Significant spills are avoided through employee training, awareness, ongoing field surveillance, careful planning, and through mitigation measures.

Employees complete spills prevention training as part of their initial orientation and take annual refreshers. Spills avoidance is included as part of work task assessment and pre-job briefings.

We complete proactive preventative equipment maintenance on a routine basis. In higher spill risk areas, permanent containment dike systems have been installed. Temporary containment systems are also put into place for other tasks that may involve a spill risk on an as needed basis.

Public Alerting System Installed

Durham Region has completed installation of the public alerting system around Pickering Nuclear.

In more than 40 years of operating Pickering Nuclear, there has never been an incident which would have caused the public alerting system to be deployed. However, it makes sense to be prepared for anything and the system can be used to warn of other more likely emergencies.

The system consists of sirens for alerting people who are outdoors and an automated telephone system for alerting people who are indoors. It's designed to provide a quick warning for every resident and business within three kilometres of Pickering Nuclear in the highly unlikely event of a severe nuclear reactor malfunction.

The system was installed to comply with the public alerting standard of notifying the public within 15 minutes, as set out by the Province of Ontario in the Provincial Nuclear Emergency Response Plan. Durham Region has plans underway for public alerting to 10 kilometres around Pickering Nuclear.

OPG funded the system which is owned and operated by Durham Region.

You can find more information about the public alerting system and hear what its tones sound like in the Durham Emergency Management Office section at: www.durham.ca.

To learn more about how OPG minimizes the chance of emergencies, but is trained and prepared for anything, please visit www.opg.com.

What Should You Do if you Hear the Sirens?

The sounding of the public alerting system is a warning. It does not mean evacuate!

If you hear a siren, outside of regular testing, do the following:

- **GO** inside and turn on the local radio or television station.
- **LISTEN** to media, relaying emergency information.
- **FOLLOW** instructions from the Province, as relayed by the media.

Also:

- Check on your neighbours.
- Follow broadcast instructions on local radio or television stations for picking up your children at school or daycare.
- **DO NOT** dial 911 unless you have a life-threatening emergency. The phone lines need to be available for emergency responders and the automated telephone dialing system.
- **DO NOT** evacuate unless you are instructed to do so.

Regular Testing

The public alerting system is scheduled for testing in October and in May of 2014. Durham Region will communicate the actual testing days closer to those dates.

Safe And Reliable To Retirement

OPG and the employees at Pickering Nuclear are committed to ensuring our station generates safe and reliable electricity right up to its last day of operations in 2020.

Since 2011, OPG has invested \$100 million in additional inspections (including pressure tubes and boilers) and maintenance. We've also completed extensive testing and analysis to demonstrate all station components meet the Canadian Nuclear Safety Commission's expectations. As a result, Pickering has continued to demonstrate industry leading safety performance and has steadily improved in areas important to safety and reliability of the plant.

And we are going to invest another \$100 million in additional inspections and maintenance over the next two years.

You might ask why invest so much money and resources in a station that's going to stop operating in eight years?

Last year, Pickering Nuclear produced about 16% of electricity needed in Ontario and helped reduce the overall electricity cost for consumers. When the refurbishment of Darlington Nuclear begins in 2016, a reliable supply of electricity from the Pickering station will be crucial for meeting Ontario's daily base load demand.



Reinstalling Effective Fish Diversion Net

The effective fish diversion net around the mouth of Pickering Nuclear's cooling water intake channel will soon be reinstalled.

The net has reduced the number of fish entering the water intake channel by more than 80 per cent annually which was the target set by the Canadian Nuclear Safety Commission.

The net is removed for winter months when fish are less active and it's unsafe for divers to complete required ongoing maintenance.

Once installed, the netting will be submerged to the lake bottom with 19 lighted buoys providing a visible warning to water craft operators who are asked to stay well clear to avoid any safety issues.

The net is about 610 meters long with a half-inch mesh and will protrude about 77 meters from the southern tip of the intake channel.

Join OPG & Friends for Tuesdays on the Trail



Planning has begun for this summer's Tuesdays on the Trail programs. For the past nine summers, families have been joining Ontario Power Generation employees along our portion of the Waterfront Trail every Tuesday morning and afternoon.

We hope you will join the fun this summer for free programs with our partners Driftwood Theatre, Scientists in School, PineRidge Arts, Pickering Museum Village and Toronto Region Conservation Authority. And new this year, Art in the Park is sure to unleash the creative side in everyone!

The programs start at 10 o'clock and again at one o'clock each Tuesday in July and August, with the last Tuesday in August being our annual Movie Night beginning at 8 p.m.

The programs are designed for children six to 12-years old. All children must be accompanied by an adult.

Meet us at the Sandy Beach Road entrance to Alex Robertson Park for all the programs, except sandcastle building when you can meet us on the beach at the foot of Liverpool Road.

More details on the program will be available in mid-June on our Community Information Line at 905-837-7272 or by visiting opg.com.



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