

**Pickering Nuclear Generating Station
Community Advisory Council
Pickering Nuclear Information Centre
Meeting Minutes, June 19, 2018
Highlights**

Site Update

Randy Lockwood presented an update on the productivity of the plant. He also presented two videos on Pickering Nuclear employees and on safety steps that will be taken in the unlikely event of a nuclear incident. Council members liked the videos and made comments and suggestions.

Community Update

Analiene St. Aubin talked about OPG involvement in recent and forthcoming community activities: sponsorship of the Great Lakes and St. Lawrence Cities Initiative Annual Meeting; Take Pride in Pickering tree and shrub planting; the final tier of this year's Bring Back the Salmon education program; the Pickering Library Summer Reading launch; and Tuesdays on the Trail program looking for volunteers.

OPG's Transportation Electrification Strategy

Andrea Brown talked about OPG strategies to foster the use of electric vehicles in Ontario. She discussed the environmental benefits as well as the opportunities for OPG represented by EVs. CAC members asked questions about the challenges of transportation electrification.

Carruthers Creek Watershed Plan

Maryam Nassar presented an update on the Carruthers Creek Watershed Plan, reviewing the highlights from the history of the Plan and steps that will be taken to complete the Plan by late 2019. She also reviewed the 2003 Carruthers Creek Vision.

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Community Advisory Council
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Pickering CAC:

John Earley
Donna Fabbro
Kristin Hall
Natalie Harder
Bill Houston
Donald Hudson
Greg Lymer
Pat Mattson
Sean McCullough
Cody Morrison
Zachary Moshonas
Dan Shire
John Stirrat
Ralph Sutton
Anna-lisa Tersigni

OPG:

Andrea Brown
Randy Lockwood
Glenn Pringle
Analiese St. Aubin

**Toronto & Region Conservation
Authority (TRCA)**

Maryam Nassar

PDA:

Francis Gillis
John Vincett

Guest:

John Miseresky

Regrets:

Jim Dike
Keith Falconer
Tim Kellar
Dinesh Kumar
Moe Perera
Kira Shan
Helen Shamsipour

Topic #1: Review of Minutes

The CAC minutes for May 15, 2018 were approved without changes.

Topic #2: Site Update

Senior Vice President Randy Lockwood presented a site update:

- Of the six active units at Pickering Nuclear, Units 1, 5, 6, and 7 are operating at full power. The planned outage of Unit 4 is almost completed; it is expected to go back on-line next week. In Unit 8, there was a problem with pressure control on the fueling machine. We reduced the pressure to address the problem. When this did not work, we shut the unit down to repair the problem. A number of miscellaneous things were sorted out with pressure control, and the unit is again being fueled. It will probably be back on-line by this weekend.
- In Corporate Knights Magazine, OPG has ranked 11th out of 50 in terms of “Clean Capitalism.” This ranking is based on energy efficiency, transparency and continuity. OPG has been recognized in particular for its nuclear power, which is 99 percent greenhouse gas free.
- Pickering Nuclear's licence renewal hearing begins on Monday, June 25. OPG appreciates the CAC for its plans to make a presentation at the hearing.

Randy presented the video, “We Are Nuclear Professionals,” which OPG will use in its presentation to the hearing.

CAC comments:

- “The video should include reference to the back-up generators and water supply.”
- “There was a good demographic balance presented, for example male/female.” (Randy noted that diversity was thought about during production of the video. “It is one our goals.” he said.)
- “I noticed one worker was not wearing a hardhat. Was this because she was in an office setting?”
- “I love the music.”
- “I was impressed with the emphasis on safety.”
- “The specific roles of the workers featured were not indicated.”
- “But I view this video as simply a teaser; I assume detailed backup information is available.”
- “I would like to see a little more about employee training.”
- “It would be nice if the employees themselves spoke.”

Randy said that each employee “has a role in safety and productivity. It is who we are.”

Randy noted that the video got 2,000 hits on the OPG website.

Randy also presented a video entitled: “Defence in Depth,” which is now part of the industry's efforts to raise public awareness of the safety systems in place at nuclear power plants in Canada. These systems are based on three steps in the unlikely event of a nuclear incident:

- Control the reactor
- Cool the fuel
- Contain radiation

CAC comments:

- “This video has more depth than the first one you showed.”
- “I agree this is excellent; it would be very useful to play for the public during the hearing and in other venues.”
- “Would it be possible to include a DVD of the video with the next edition of *Neighbours*? The general public is not aware of this information.” (Analiese St. Aubin noted that this video is posted on social media.)
- “It's a little lengthy and too specific for the short attention spans on social media.”
- “There is an opportunity to include this video as part of OPG's display on Canada Day.”
- “Get it to the politicians.”
- “OPG is contending with a wall of public apathy. Consider presenting the content in the form of a game to engage the public. Some form of interactivity is called for.”
- “Take the video to high schools to present in the context of a discussion with students.”

A Council member asked about public communications around use of the Pickering site after 2024. Randy said OPG will need to explain re-use of the site and how long that will take after the close of Pickering Nuclear commercial operations. He noted that there will be a lot more public consultation as we get closer to the end of operations.

Randy presented a slide that OPG will be taking to the CNSC hearing next week; it cites three PNGS goals:

- Making the site more profitable
- Addressing employees' future after closure
- Improving performance year over year, so that our last day is our best day

Topic #3: Community Update

Analiese St. Aubin, Manager of Corporate Relations and Communications at Pickering Nuclear, talked about OPG involvement in recent and forthcoming community activities:

- OPG sponsored the Great Lakes and St. Lawrence Cities Initiative Annual Meeting and Conference, hosted by the Town of Ajax June 13 – 15. OPG representatives attended the Thursday night Evening Under the Stars event, which featured local food, drink and entertainment.
- Take Pride in Pickering took place this year on Saturday, June 16. Just over 100 community members joined us to plant over 300 trees and shrubs.
- On Thursday, June 21, St. Elizabeth Seton Catholic School students will join OPG to paint yellow fish on storm drains as the final tier of this year's Bring Back the Salmon education program. On May 31, the students released into Duffins Creek 102 salmon fry grown in the Pickering Nuclear Information Centre hatchery.
- On July 4, OPG will be participating and hosting an activity for children at the Pickering

Library Summer Reading Launch.

- Tuesdays on the Trail flyers are hot off the press. The program is still looking for high school volunteers interested in garnering community service hours. Anyone interested can get in touch with Cheryl Johnston by calling the Information Centre.
- The Summer issue of *Neighbours* will be in mailboxes any day now.

Randy showed a picture on the screen of CAC member Kristin Hall who is a part of the summer student program at OPG this year, along with Toronto and Region Conservation Authority (TRCA), with one of the four Peregrine Falcons born this year at Pickering Nuclear.

CAC member Sean McCullough, who represents the Town of Ajax, thanked OPG for its sponsorship of the Great Lakes Initiative Annual Meeting, which drew participants from both sides of the border.

Topic #4: OPG's Transportation Electrification Strategy

Andrea Brown, Senior Manager Strategic Environmental Initiatives, talked about OPG strategies to foster the use of electric vehicles (EVs) in Ontario (Appendix 1). She noted that transportation is the largest emitting major sector in the province. EVs can significantly lower electricity prices. Because there are fixed costs to produce electricity, increased demand means lower electricity prices. Andrea emphasized the importance of managing EV electricity demand by fostering overnight charging of vehicle batteries; otherwise, OPG would have to build additional gas plants to meet the EV demand.

OPG's strategy is to:

- Leverage OPG's clean electricity to support the electrification of transportation
- Maximize use of existing clean generation investments with increased electricity demand
- Create new commercial growth opportunities for OPG

Andrea then talked about OPG leadership in transportation electrification and the company's education and awareness initiatives over the past few years. The Bolt Across OPG initiative is now being launched. The vehicle will travel from Niagara to Thunder Bay and visit 29 OPG sites. This trip will cover 3,000 kilometres and will demonstrate that:

- Charging infrastructure exists across the province, making EVs a viable option even for long trips
- EV owners save money
- Electrifying transportation makes economic sense

Andrea noted that OPG installed the first round of 32 chargers in December 2017, which have enabled more than 60,000 km of greenhouse gas-free transportation, though speed of charging remains a challenge. The 2018 plan is to double the number of charging spots available at OPG sites.

Andrea said that vehicle-grid integration could mean new opportunities for OPG.

Andrea also talked about the long-distance benefits and challenges of hydrogen fuel cell vehicles. As well, OPG is investigating the opportunities to use hydrogen for wireless electrification of rail travel.

Andrea responded to Council questions:

- *What about the cost issue of electric vehicles?*
There is a cost issue now, but it's important to note the fuel and maintenance savings of EVs.
- *Are you looking at batteries for storage of electric power?*
Yes, that is being considered.
- *Road tax is now part of the price of gasoline. Will there be a road tax on EVs?*
That will have to be negotiated.
- *Is the infrastructure there for re-charging an increasing number of EVs?*
Toronto Hydro is looking at that issue now. We are hoping to learn from them.
- *The average person only drives 10 km a day, so frequency of re-charging is probably not a significant issue.*
- *Where do EV drivers get information on where to re-charge?*
More and more hotels are advertising re-charging facilities. There are also apps that drivers can consult.
- *Some cars have a built-in app for re-charging locations.*

Andrea passed around a copy of an information booklet for EV drivers.

Topic #5: Carruthers Creek Watershed Plan

Maryam Nassar, Project Manager at TRCA, presented an update on the Carruthers Creek Watershed Plan (Appendix 2). Maryam is a former CAC member. She reviewed the highlights from the history of the Plan, which is expected to be completed in late 2019.

Maryam talked about Phase 1 of the project, which featured a number of peer reviewed technical reports on the condition of the creek, among them a terrestrial biological inventory and assessment. She then went through Phase 2 of the Plan, which will be completed through 2018 and 2019. During this period, the Plan will be peer reviewed and subject to public and stakeholder consultation.

Maryam reviewed the 2003 Carruthers Creek Vision:

- Carruthers Creek will be a healthy, dynamic, and sustainable watershed that continues to have clean, safe water.
- The watershed will have functioning wetlands and be diverse with self-sustaining communities of native plants, fish, and wildlife, where natural and human heritage features are protected and valued.
- Residents will recognize the watershed as an essential community resource that enhances their quality of life.
- All stakeholders will participate in the stewardship of the watershed, and growth and development will reflect this vision and the importance of protecting and enhancing this priceless legacy.

Maryam responded to Council questions:

- *I've noticed discarded tricycles, a couch and other debris in the creek. We work with our municipal partners to address such problems.*
- *I left a message about this issue with Ajax and have received no response. I was unsure of whom to contact.*

CAC members representing Pickering and Ajax said they have lots of discussions with TRCA about these kinds of issues and find this interaction to be conducive to better public policy.

- *How much did all the technical reports cost, and what do you do with the information collected?*
The reports have cost \$1.1 million over four years. They make high-level recommendations to municipalities.

Maryam noted that Council members can comment on the Watershed Plan at: <https://trca.ca/conservation/watershed-management/carruthers-creek/>.

Topic #6: CNSC News

For selected news items from the CNSC, please see Appendix 3.

Topic #7: Concluding Remarks

CAC Facilitator John Vincett thanked Council members for their diligent participation in meetings over the year.

Next Meeting
Tuesday, Sept. 18, 2018, 6 pm
Pickering Nuclear Information Centre
(supper available at 5:30 pm)