



Oral Presentation

Submission from Nottawasaga Valley Conservation Authority

In the Matter of

Bruce Power Inc. – Bruce A and B Nuclear Generating Station

Request for a ten-year renewal of its Nuclear Power Reactor Operating Licence for the Bruce A and B Nuclear Generating Station

Commission Public Hearing – Part 2

May 28-31, 2018

Exposé oral

Mémoire de Nottawasaga Valley Conservation Authority

À l'égard de

Bruce Power Inc. - Centrale nucléaire de Bruce A et Bruce B

Demande de renouvellement, pour une période de dix ans, de son permis d'exploitation d'un réacteur nucléaire de puissance à la centrale nucléaire de Bruce A et Bruce B

Audience publique de la Commission – Partie 2

28-31 mai 2018



Bruce Power – NVCA Partnerships for Improving Water Quality and Fish Habitat

Fred Dobbs, Nottawasaga Valley Conservation Authority, May 30, 2018

Overview

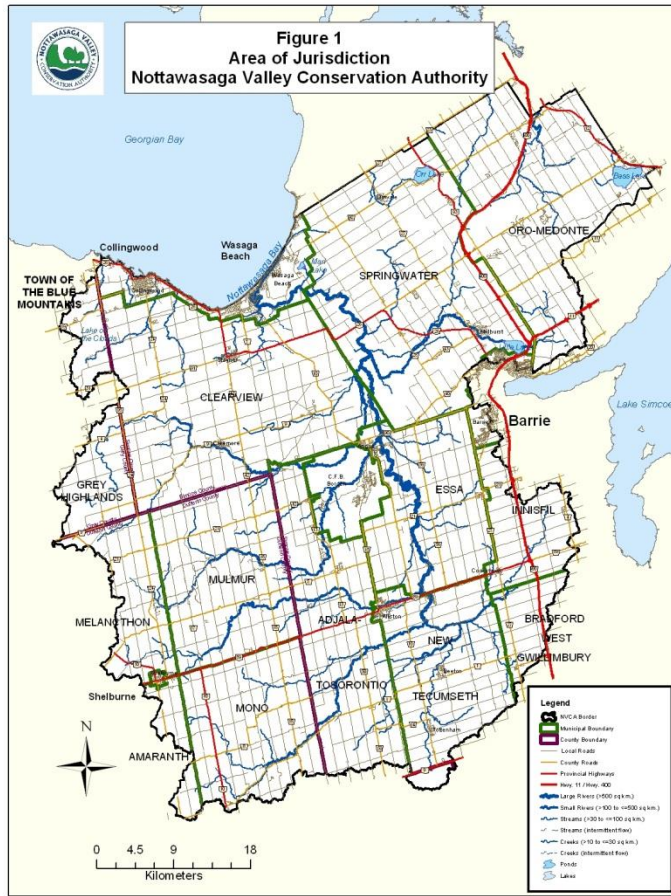
Purpose of this Presentation

1. Provide Background on Nottawasaga Valley Conservation Authority (NVCA) Area of Jurisdiction and Current Water Quality and Fisheries Habitat Management Initiatives.
2. Document Bruce Power's Role with Respect to Operational Safety and Protection of the Environment.
3. Describe Bruce Power – NVCA Partnership



Part 1 - NVCA Area

About the Nottawasaga Valley Watershed



- 3,700 km²
- 18 member municipalities
- Nottawasaga River Watershed & Blue Mountain Sub-watersheds
- 35 km of Georgian Bay shoreline
- Niagara Escarpment
- Oak Ridges Moraine
- Minesing Wetlands
- Globally and provincially rare coastal wetland systems



Fish Populations



Diverse Landscapes

Management requires both
habitat protection and restoration



Niagara Escarpment –
Pine River Valley
a Priority for Protection



Algonquin Sand Plain –
Beeton Flats
a Priority for Stream Restoration



Typical Stream Habitat Improvement Project



Part 2 - Bruce Power's Role with Respect to Operational Safety and Protection of the Environment

Through working with Bruce Power staff and fisheries professionals in both the federal and provincial government sectors, NVCA staff are very aware of the strong operational safety measures which Bruce Power implements for protection of the environment.



Bruce Power's Role with Respect to Operational Safety and Protection of the Environment

Even with the best mitigation measures in place, the coolant water intake at the Bruce facility still entrains some Lake Huron fish. Recognizing this context, Bruce Power responsibly works with Fisheries and Oceans Canada (DFO) to address the requirements of the federal fisheries act through development of a compensation plan. NVCA staff are aware that Bruce Power is supporting very significant projects including the removal of the Truax Dam on the Saugeen River, in order to address these compensation requirements.



Bruce Power's Role with Respect to Operational Safety and Protection of the Environment

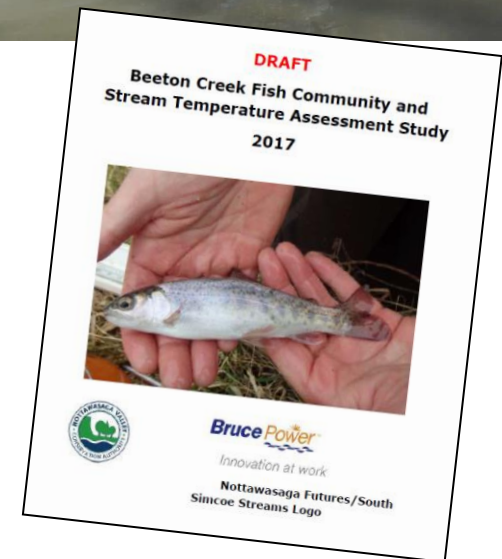
Bruce Power works with partners like the Nottawasaga Valley Conservation Authority to complete additional fish habitat improvement projects which are not tied to DFO compensation needs. This work demonstrates Bruce Powers willingness to implement operational safety measures which significantly exceed the requirements of the Federal Fisheries Act and also confirms Bruce Power's role as an Environmental Steward in the Lake Huron Watershed.



Part 3 - Bruce Power Partnership with NVCA

History - 2017

- Bruce Power approached NVCA regarding a partnership to improve fish habitat and water quality.
- NVCA proposed 2 dam removal projects and a stream channel restoration initiative.
- Bruce Power support allowed for:
 - collection of baseline data for all 3 projects
 - development of a multi-year partnership work plan



Bruce Power – NVCA Partnership

2018 Initiatives



Beeton Creek Ice Dam

- Fish passage and water quality improvements
- Fish community and habitat monitoring



Petun Dam Black Ash Creek

- Finalize design and approvals for dam removal
- Fish community and habitat monitoring
- Possible removal, 2019



Bruce Power – NVCA Partnership

Benefits of Partnership

Provides capacity to tackle all aspects of dam removal/retrofit and stream habitat restoration projects:

- collecting fisheries and aquatic habitat baseline data
- working through necessary long-term planning, permits and approvals
- focus on aquatic habitat benefits, project deliverables and costs
- frees NVCA staff time to deliver projects rather than chasing funding





Questions?

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Nottawasaga Valley
Conservation Authority

April 9, 2018

Canadian Nuclear Safety Commission
CNSC Central Regional Office
280 Slater Street, 9th Floor
Ottawa, ON K1P 5S9
Phone: 1-888-229-2672
Fax: 613-995-5086
Email: cns.interventions.ccs@canada.ca
Attention: Canadian Nuclear Safety Commission Secretariat

Regarding: Request for Intervenor Status at Public Hearing for Bruce Power Application to Renew its Licence

To whom it may concern,

The Nottawasaga Valley Conservation Authority (NVCA) is making a request to participate at the public hearing on May 30-31, 2018, for the application from Bruce Power Inc. (Bruce Power) to renew its Nuclear Power Reactor Operating Licence. The NVCA proposes to intervene by way of a written submission and oral presentation (see attached Power Point presentation). The presentation addresses:

1. Background on NVCA and current fish habitat restoration initiatives.
2. Bruce Power's Role with respect to operational safety and protection of the environment.
3. The partnership between Bruce Power and the NVCA.

Please contact Fred Dobbs at (705) 424 1479 ext. 237 if you have any questions regarding this request.

Sincerely,

A handwritten signature in blue ink, consisting of a circular scribble followed by a long horizontal line.

Doug Hevenor
Chief Executive Officer