

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319, 27th Floor
2300 Yonge Street
Toronto, ON M4P 1E4

August 9, 2019

**Re: EB-2019-0077 Leave to Construct for the South Nepean Project
Pollution Probe Interrogatories for Hydro Ottawa**

Dear Ms. Walli:

Please find enclosed Pollution Probe's Interrogatories for Hydro Ottawa.

Respectfully submitted on behalf of Pollution Probe.

Original signed by

Michael Brophy, P.Eng., M.Eng., MBA
Consultant to Pollution Probe
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cc: Judith Fernandes, OEB Case Manager (via e-mail)
Linda Gibbons, Hydro One Networks Inc. (email via regulatory@HydroOne.com)
Michael Engelberg, Hydro One Networks Inc. (via email)
Gregory Van Dusen, Hydro Ottawa Limited (email via regulatoryaffairs@hydroottawa.com)
Shaun Logue, Hydro Ottawa Limited (via email)
Maia Chase, IESO (via RegulatoryAffairs@ieso.ca)
Richard Carlson, Pollution Probe (via e-mail)

ONTARIO ENERGY BOARD

Hydro One Networks Inc. and Hydro Ottawa Ltd

**Application for leave to rebuild and extend an existing transmission line and to
build a municipal transformer station.**

POLLUTION PROBE INTERROGATORIES TO HYDRO OTTAWA

August 9, 2019

**Submitted by: Michael Brophy
Michael.brophy@rogers.com
Phone: 647-330-1217
28 Macnaughton Road
Toronto, Ontario M4G 3H4**

Consultant for Pollution Probe

Interrogatories of Pollution Probe to Hydro Ottawa.

PP-1

[Ex.B; T3, S1]

Reference: “The need for the Project was established in the Independent Electricity System Operator’s (“IESO”) Ottawa Area Integrated Regional Resource Plan (“IRRP”) dated April 28, 2015, and the Greater Ottawa Regional Infrastructure Plan (“RIP”) dated December 2, 2015.”.

An updated Integrated Regional Resource Plan (IRRP) for this area has been underway and the final report is forecasted to be completed by fall 2019 (reference: <http://www.ieso.ca/en/Sector-Participants/Engagement-Initiatives/Engagements/Integrated-Regional-Resource-Plan-Ottawa-Area-Sub-Region>) that will provide more recent information than that contained in the 2015 plan filed in this application.

- a) Please provide the justification for basing the application on the 2015 information and how updated information since 2015 has been considered in this application.
- b) Please highlight what major differences have been identified since the 2015 IRRP and what their impacts are to demand in this community.

PP-2

[Ex.B; T3, S1] Please explain what analysis has been conducted to update the projected forecast since the IESO’s April 2016 letter was issued.

PP-3

[Ex.B; T3, S1] The City of Ottawa has undertaken significant updates to its community energy plan since 2016, including public consultation and modeling as part of its Energy Evolution initiative (reference: <https://ottawa.ca/en/residents/water-and-environment/climate-change-and-energy/energy-evolution>).

- a) Please indicate what renewable energy elements were included over the proposed life of the assets in this application.
- b) Were any of the following renewable energy technologies included in your modelling for this project and if so, provide the details by technology (e.g. generation capacity or demand impact).
 - Commercial Rooftop Solar
 - Biogas
 - Waterpower
 - Wind
 - District Energy

- Heat Pumps
 - Electrification of Cars and Light Vehicles
- c) Please provide details on how the utility is supporting or coordinating with the City of Ottawa's Energy Evolution initiative and integrating its future planning and operations with these initiatives.

PP-4

[Ex.B; T3, S1]

Reference: "The cost of the transmission line and related facilities for which Hydro One is seeking approval is approximately \$58.8 million. The cost of the MTS and related facilities for which Hydro Ottawa is seeking approval is approximately \$27.0 million. This results in a total project cost of approximately \$85.8 million."

- a) Please indicate if additional capital or O&M costs will be incurred over the life of the assets proposed in this application and what those costs are estimated to be.
- b) What local alternatives were considered (e.g. reduced demand through renewables, battery storage, local distributed generation, etc.) to reduce the need for additional supply to this community?
- c) If alternatives were considered, please provide the cost of each alternative and how it compares to the costs to Ratepayers if the request in this application is approved.
- d) What amount of renewable energy capacity (local and exported to the transmission grid) could be supported through these assets?

PP-5

[Ex.B; T3, S1, Attachement1]

- a) Please confirm that the energy conservation and distributed generation contributions outlined on page 19 of the IRRP are still accurate.
- b) Will the utility's decreased Conservation and Demand Management (CDM) spending into the future have an impact on this forecast and if so, please indicate what that impact will be.
- c) Was additional CDM activity considered to meet the needs of demand in this community and if so, how do the costs compare to the proposed project costs?