

March 10, 2008

BY COURIER (10 COPIES) AND EMAIL

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
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Toronto, Ontario M4P 1E4
Fax: (416) 440-7656
Email: boardsec@oeb.gov.on.ca

Dear Ms. Walli:

**Re: Pollution Probe – Written Interrogatories – Part 5
EB-2007-0050 – Hydro One – Bruce-Milton Transmission
Reinforcement Project**

Pursuant to the Board's oral decision on February 21, 2008 and Procedural Order No. 5, please find enclosed Pollution Probe's fifth set of written interrogatories to Hydro One for this matter.

Yours truly,



Basil Alexander

BA/ba

Encl.

cc: Applicant and Intervenors per Procedural Order #5

Pollution Probe's Interrogatories for Hydro One – Part 5

March 10, 2008

Interrogatory No. 47

Ref. Response to Pollution Probe Interrogatory No. 7 List 1 (Exh. C / T 2 / S 7)

Issue Number 1.0

1.0 Issue: Project Need and Justification

Request

- a) Please provide all workpapers associated with the computation of locked-in energy quantities listed in the “undelivered energy (MWh)” table for parts a) through e) of the response. Provide these workpapers in Excel or equivalent spreadsheet format with formulas intact.
- b) Please describe in complete detail the analysis conducted to obtain the estimate of locked-in energy provided in the “undelivered energy (MWh)” table as a response to parts a) through e) of the interrogatory. Please include descriptions of the temporal detail for each component of the response (e.g. for wind, nuclear, and transmission components).
- c) Please provide the estimates of locked-in energy for the finest level of temporal detail calculated.
- d) Please provide the “probabilistic distributions” for both wind and nuclear generation that was developed as part of the response.
- e) Please provide the “probabilistic distribution of total generation in the Bruce area” that was developed as part of the response.
- f) Please provide the “transfer-capability probability distributions” that were developed as part of the response.
- g) Please describe the specific assumptions made concerning the overall state of the Ontario transmission system for the periods in which Bruce area transfer-capability probability distributions were developed.

Interrogatory No. 48

Ref. Response to Pollution Probe Interrogatory No. 8 List 1 (Exh. C / T 2 / S 8), Exh. B / T 1 / S 1, Exh. B / T 4 / S 4, and Exh. K / Tab 1

Issue Number 1.0

1.0 Issue: Project Need and Justification

Request

Please provide estimates of the Bruce area locked-in installed capacity (MW) for each of the scenarios a) through e) described in Pollution Probe Interrogatory #8 List 1.

Interrogatory No. 49

Ref. Response to Pollution Probe Interrogatory No. 9 List 1 (Exh. C / T 2 / S 9)

Issue Number 1.0

1.0 Issue: Project Need and Justification

Request

- a) On what basis is the assumption made that “the cost of undelivered energy is equal to the cost of the replacement energy”?
- b) On what basis is the assumption made that energy costs are “those” in the OEB-published Total Resource Cost Guide?
- c) Please confirm or correct a reference: the response indicated that energy costs were those in the OEB-published TRC Guide at Table 11, however there is no Table 11 in the TRC Guide available on the OEB website.
- d) Please provide all workpapers, including spreadsheets with formulas intact, used in computing the values in the response tables “Undelivered Energy Cost (M\$2007)” for both the “OPA Discount Rate” version and the “Hydro One Discount Rate” version.

Interrogatory No. 50

Ref. Response to Pollution Probe Interrogatory #10 List 1 (Exh. C / T 2 / S 10)

Issue Number 1.0

1.0 Issue: Project Need and Justification

Request

- a) Please provide all workpapers, including spreadsheets with formulas intact, used in computing the values in the response tables “Net Present Cost of Expanding the BSPS” for both the “OPA Discount Rate” version and the “Hydro One Discount Rate” version.
- b) If these workpapers do not show how the LIE column is computed, please explain how it is computed and please also explain how the LIE column differs from the estimate of undelivered energy cost provided in response to Pollution Probe Interrogatory No. 9 List 1.

Interrogatory No. 51

Ref. Response to Pollution Probe Interrogatory #11 List 1 (Exh. C / T 2 / S 11)

Issue Number 1.0

1.0 Issue: Project Need and Justification

Request

- a) Please provide all workpapers, including spreadsheets with formulas intact, used in computing the values in the response tables “Net Present Cost of Series Capacitors” for both the “OPA Discount Rate” version and the “Hydro One Discount Rate” version.
- b) Please explain why the net present value of installing series capacitors includes a component of costs associated with undelivered energy.
- c) Are the “losses” shown in the computation associated solely with the transmission system effect of the installation of series capacitors, or are they associated with the increased losses if the proposed Bruce – Milton double circuit 500 kV line is not installed, or are they associated with something else? If the “losses” are associated with something else, please explain what the losses are associated with.