



June 2, 2017

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

Re: Thunder Bay Hydro Electricity Distribution Inc.
AMPCO Interrogatories on Expert Report
Board File No. EB-2016-0105

Dear Ms. Walli:

Attached please find AMPCO's interrogatories in the above proceeding.

Please do not hesitate to contact me if you have any questions or require further information.

Sincerely yours,

(ORIGINAL SIGNED BY)

Colin Anderson
President
Association of Major Power Consumers in Ontario

Copy to: Thunder Bay Hydro Electricity Distribution Inc.

**Thunder Bay Hydro Electricity Distribution Inc. (TBHEDI)
2017 Electricity Rate Application
AMPCO Interrogatories on Expert Report**

ER-AMPCO-27

Ref: Page 6

- a) Please provide and further explain each of the TBHEDI-specific Kinectrics formulas used by the expert to quantitatively express asset conditions in terms of HI.

ER-AMPCO-28

Ref: Page 7

Preamble: The report indicates TBHEDI, like most other utilities, did not have sufficient removal statistics records required to generate the curves.

- a) Please describe what “sufficient removal statistics records” consists of.
- b) Please summarize the removal information records that TBHEDI has.
- c) Please describe the specific data that needs to be collected if TBHEDI is to start to collect this information.

ER-AMPCO-29

Ref: Page 8

- a) Please summarize the asset failure information collected by TBHEDI.
- b) Did the expert review TBHEDI’s actual failure data by asset type?
- c) How was actual failure data by asset used to determine the HI scores by asset?
- d) Did the expert review TBHEDI’s historical replacement rates? If yes, how was this information used?

ER-AMPCO-30

Ref: Page 7

Ref: Exhibit 2, Attachment 2B, Appendix C, Page 3

**Thunder Bay Hydro Electricity Distribution Inc. (TBHEDI)
2017 Electricity Rate Application
AMPCO Interrogatories on Expert Report**

The Health Index distribution given for each asset group illustrates the overall condition of the asset group. Further, the results are aggregated into five categories and the categorized distribution for each asset group is given. The Health Index categories are as follows:

Very Poor	Health Index < 25%
Poor	$25 \leq$ Health Index < 50%
Fair	$50 \leq$ Health Index < 70%
Good	$70 \leq$ Health Index < 85%
Very Good	Health Index \geq 85%

- a) Does Kinectrics have general guidelines for each of the above five Health Index categories in terms of recommended asset replacement timing?
- b) Do the timing recommendations for each category differ by asset type?
- c) Do the timing recommendations for each category differ by LDC?

ER-AMPCO-31

Ref: Page 8

- a) Has the expert done any analysis to compare the quantities and costs of the proposed FFAP to an FFAP based on using age or historical replacement rates.

ER-AMPCO-32

Ref: Page 8

- a) Please provide the “other drivers” specific to TBHEDI that contribute to TBHEDI’s System Renewal Requirements.

ER-AMPCO-33

Ref: Page 13

- a) Does TBHEDI track the age of each asset at the time of failure?
- b) How did the expert use this data in determining the proposed FFAP?

**Thunder Bay Hydro Electricity Distribution Inc. (TBHEDI)
2017 Electricity Rate Application
AMPCO Interrogatories on Expert Report**

ER-AMPCO-34

Ref: Page 17

- a) What is the expert's opinion on an alternative approach that paces the shift in expenditures over a five-year period or longer timeframe?

ER-AMPCO-35

Ref: Page 18

- a) Does the expert have an opinion on the quality or accuracy of TBHEDI's response to the Chapter 5 requirements?