

1 **B1 – ONTARIO FEDERATION OF AGRICULTURE INTERROGATORY – 001**

2
3 **Reference:**

4 Exhibit B-1-1, Section 1.7, Page 10

5
6 **Interrogatory:**

7 The asset needs assessment processes are structured to determine individual asset needs.
8 The process relies on asset data, including condition, utilization, performance, obsolescence
9 and other factors, and focusses on major equipment groups in ... distribution (ex: station
10 transformers, poles) that directly affect system reliability. This process drives effective
11 planning decisions by ensuring a consistent view of asset information. As part of the
12 preliminary needs assessment, asset condition and other factors are assessed against
13 current and future requirements to identify investment candidates.

14
15 a) Does mitigation of distribution system related uncontrolled ground current enter the
16 investment planning process repair versus replace for distribution and transmission assets
17 evaluations.

18
19 b) Considering record retention requirements in Section 4.7.7 of the Ontario Energy Board
20 Distribution System Code, can Hydro One provide data on the condition of distribution system
21 transformer assets in close proximity to either existing or concluded testing and mitigation of
22 uncontrolled ground currents, as described in Sections 4.7.2, 4.7.3, and 4.7.4 of the Ontario
23 Energy Board Distribution System Code performed by Hydro One Inc.'s Farm Rapid Response
24 Team, including testing and or mitigation conducted in those instances where the ACC/ACV
25 Threshold for testing and mitigation were not met but testing and or mitigation was
26 conducted.

27
28 Distribution assets include Station Transformers, Connection Transformers, Conductors.

29
30 Circuit Breakers, Protection and Control Systems, Insulators, Steel Structures, and U/G Cables.

31
32 Farm Rapid Response Team data includes, initial tested ACC/ACV, was mitigation taken, if
33 mitigation undertaken, what was ACC/ACV after mitigation.

1 **Response:**

2 a) Stray Voltage mitigation, as with all investments, feeds into the investment planning process.
3 As outlined in ISD D-SS-06, this is a non-discretionary investment. Each stray voltage
4 investigation is unique and can require a different solution.

5
6 b) Hydro One does not have distribution line transformer asset condition data. As per Section
7 4.4.7 of the Distribution System Code, Hydro One retains data which includes the name of the
8 farmer, the date on which the complaint was submitted and the date on which Hydro One
9 has determined the case to be closed. With respect to the electrical system, Hydro One retains
10 the following information:

- 11 • site information for the livestock farms customer's farm, including identity and design
12 characteristics of the circuit supplying the site;
- 13 • distance of the site from the current substation and from the end of the circuit;
- 14 • an investigation report in accordance with Appendix H; and
- 15 • identified ACC or ACV sources, distribution system contribution levels, any
16 remediation measures taken and the total cost of the investigation/remediation
17 measures taken.