

1 **Toronto District School Board (TDSB) INTERROGATORY #1 List 2**

2
3 **Interrogatory**

4
5 **Reference:**

- 6 • **Exhibit A/Tab 1/Schedule 1/Page 1/ Paragraph 2(b)**

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8 **Preamble:**

- 9 • **Exhibit A/Tab 1/Schedule 1/Page 1/ Paragraph 2(b):** references the new above
10 ground transmission line between Leaside Transformer Station and Bridgman
11 Transformer Station. This new line will cut across TDSB property (Bennington Heights
12 Public School) raising concerns of increased Electro Magnetic Field (“EMF”) levels.

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14 **Question/Request:**

15 a) Please provide the precise locations of current towers and those of the replacement
16 towers with respect to the following schools: Cottingham Junior Public School, Whitney
17 Junior Public School and Bennington Heights Elementary School.

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19 b) The proposed Hydro One transmission line routes appear to be closer to Bennington
20 Heights Elementary School than current transmission line routes, as such; it would appear
21 that EMF levels along those proposed routes would significantly increase in comparison
22 to current EMF levels. If following transmission line relocation and modifications Hydro
23 One expects EMF levels at Bennington Heights Elementary School (or potentially at
24 Cottingham Junior Public School or Whitney Junior Public School) to remain at current
25 levels or decrease in comparison to those under current line configurations, technical
26 evidence must be provided to the TDSB to substantiate those claims. As such, please
27 provide detailed information on the modeling software utilized by Hydro One to calculate
28 magnetic field levels including the input data to the program

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31 **Response**

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33 a) None of the existing towers in the vicinity of either Cottingham Junior Public School
34 or Whitney Junior Public School will be replaced during this project. Only the
35 conductors will be replaced on these towers. The location of the proposed new
36 replacement towers in the vicinity of Bennington Heights Elementary School on the
37 north side of the CPR right-of-way will not change from the current centre-line of the
38 corridor, consistent with the requirements of Hydro One's existing easement
39 agreements. The new towers will be positioned adjacent to the existing tower
40 locations, either to their left or right to avoid existing tower footings, within the
41 existing right-of-way. As a result their position in relation to Bennington Heights
42 School will not be significantly different from the current one.

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b) As indicated in Hydro One's previous Interrogatory response on the subject of EMF (TDSB Interrogatory #1, Exhibit C-2-1), EMF matters are addressed in the Environmental Study Review process. EMF levels along the proposed transmission line are expected to be lower than current levels.

Hydro One trusts that the clarification in part (a) above in relation to the tower location will address TDSB's concern that the proposed line appears on the map to be shifted closer to schools than the existing line location, and that that could lead to an increase in EMF levels. That is not the case. The new line will not be closer to the schools.

On the map referred to by TDSB (Appendix B in TDSB's evidence), the proposed route (which follows the existing route as noted above) is shown in red. The existing towers that are further away from Bennington Heights school and off the proposed route (marked as a black box on the map with an "X"), which presumably gave rise to TDSB's concern that the new line would be closer to schools, are for a nearby transmission line that is not part of the Midtown project.