

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

Interrogatory

Reference:

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

Preamble:

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

Question/Request:

- Please provide the precise locations of current towers and those of the replacement towers with respect to the following schools: Cottingham Junior Public School, Whitney Junior Public School and Bennington Heights Elementary School.
- The proposed Hydro One transmission line routes appear to be closer to Bennington Heights Elementary School than current transmission line routes, as such; it would appear that EMF levels along those proposed routes would significantly increase in comparison to current EMF levels. If following transmission line relocation and modifications Hydro One expects EMF levels at Bennington Heights Elementary School (or potentially at Cottingham Junior Public School or Whitney Junior Public School) to remain at current levels or decrease in comparison to those under current line configurations, technical evidence must be provided to the TDSB to substantiate those claims. As such, please provide detailed information on the modeling software utilized by Hydro One to calculate magnetic field levels including the input data to the program

Response

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

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2 b) As indicated in Hydro One's previous Interrogatory response on the subject of EMF
3 (TDSB Interrogatory #1, Exhibit C-2-1), EMF matters are addressed in the
4 Environmental Study Review process. EMF levels along the proposed transmission
5 line are expected to be lower than current levels.
6

7 Hydro One trusts that the clarification in part (a) above in relation to the tower
8 location will address TDSB's concern that the proposed line appears on the map to be
9 shifted closer to schools than the existing line location, and that that could lead to an
10 increase in EMF levels. That is not the case. The new line will not be closer to the
11 schools.
12

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