

1 Q. Please refer to Appendix C10, section 3.1.1. Explain in detail the 175ms de-
2 ionisation time for a bipole overhead line fault. Include in the response the
3 sensitivity of the ac network to longer de-ionisation times and to a re-occurrence of
4 the line fault on re-energisation.

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7 A. An explanation of the 175 ms de-ionisation time for a bipole overhead line fault is
8 provided in Hydro's response to PUB-NLH-002.

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10 The sensitivity of the ac network to longer de-ionisation times is discussed in
11 Section 3.6 of Appendix C10. The analysis demonstrates the requirement for
12 additional synchronous condensers at Soldiers Pond if the re-start time for the
13 Labrador-Island Link is increased. The inertia provided by these additional units
14 ensures that there is no under frequency load shedding. Additional detail is
15 provided in Hydro's response to PUB-NLH-002.