

1 Q. With reference to the Project **C-16, Install Backup System for Raw Water Supply**
2 **and Clarifier - Holyrood**, at page 6, Volume II, Tab 7, Hydro states that “it is
3 anticipated to take three or four weeks to locate the failed section of the raw water
4 supply pipe and perform the required repairs.”

5 (a) Has Hydro commissioned any written evaluation or report to support this
6 assertion? If yes, provide the written evaluation or report.

7 (b) If a section of the raw water supply pipe were to fail, is Hydro asserting that it
8 would take three to four weeks to establish a temporary raw water supply while
9 repairs were completed? Has Hydro evaluated the means of establishing a
10 temporary raw water supply in such a circumstance?

11 (c) Has Hydro evaluated whether there are technologies available that would
12 facilitate and expedite Hydro’s locating of the site of a pipe failure? Has Hydro
13 evaluated the costs of implementing one of these technologies?

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16 A. The response to each part of the question is as follows:

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18 (a) Hydro has not commissioned any written evaluation or report to support the
19 assertion that it is anticipated to take three to four weeks to locate the failed
20 section of the raw water supply pipe and perform the required repairs. However,
21 since this proposal was filed with the Board, further investigation into Hydro’s
22 operating experience related to the raw water supply pipe revealed that in 1996
23 a failure occurred in the supply pipe and it took approximately three weeks to
24 locate the fault and make repairs. At that time, the general location of the fault
25 was readily identified as water came to the surface of the ground in the fault

1 area. Excavation, sourcing specialty materials, and back filling were the main
2 contributors to the three week supply pipe outage.

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4 (b) If a section of the raw water supply pipe were to fail, Hydro is not asserting that
5 it would take three to four weeks to establish a temporary raw water supply
6 while repairs are being completed. Hydro has evaluated the means of
7 establishing a temporary raw water supply and has determined that the system
8 provided under this project provides the most cost effective solution.

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10 (c) Hydro has not evaluated whether there are technologies available that would
11 facilitate and expedite Hydro's locating of the site of a pipe failure. However,
12 Hydro recognizes that such technologies may be available and plans to
13 investigate as part of the scope of work of the Phase I condition assessment.