

1 Q. **Project D-2, Upgrade Victoria Control Structure – Bay d’Espoir**

2 At page D-8, Hydro states that as hydraulic structures age the requirement for
3 refurbishment is undertaken by most utilities, and also advises that Churchill Falls
4 Labrador Corporation, whose structure is approximately 40 years old, is presently
5 involved in a rehabilitation program.

- 6 ○ At what age of the hydraulic structure do “most utilities” in North America
7 commence a major refurbishment of the structure?
8 ○ What utilities has Hydro researched for comparison purposes?

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11 A. a) Hydro is not aware of any documents that indicate specifically the age of a
12 hydraulic structure when “most utilities” in North America commence a major
13 refurbishment of the structure.

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15 b) Hydro has not formally researched any utilities for comparison purposes.
16 However, Hydro has had informal conversations with representatives of other
17 utilities and consultants on when major refurbishments of structures take place.
18 The age of a structure at which a major refurbishment will commence depends
19 on the quality of the original construction, the environment to which it has been
20 exposed, its operational history, and its condition.