

1 Q. Several alternative “Upgrades to the Island Interconnected System” are presented
2 in Exhibit 23. Which one was selected?

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5 A. The following upgrades to the Island Interconnected System are proposed prior to
6 in-service of the Labrador – Island Transmission Link:

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- 9 • 3 high inertia synchronous condensers installed at Soldiers Pond, with the
10 final inertia and MVAR requirement to be determined in detailed
11 engineering prior to Project Sanction;
 - 12 • conversion of Holyrood units 1 and 2 to synchronous condenser operation;
13 and
 - 14 • 230 kV and 138 kV circuit breaker upgrades due to increased short circuit
15 levels on the system.

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16 As the Island Interconnected transmission system is currently unable to successfully
17 recover from a 3 phase fault at Bay d’Espoir and other eastern locations, upgrades
18 to permit this in the future are not contemplated.

19 The proposed 230 kV transmission line is required for both the Isolated Island and
20 Interconnected Island alternatives, and is expected to be in place prior to in-service
21 of the Labrador – Island Transmission Link.