

1 **Q. Project D-226: Replace Spherical By-Pass Valve Units 1 and 2 - Bay d’Espoir**

2 Volume I, Tab D, pages D-226 to D-230. On page D-226, it is noted that the spherical
3 valve by-pass assemblies on Units 1 and 2 located in Powerhouse 1 at Bay d’Espoir
4 Hydroelectric Generation Station were set to be replaced as part of Hydro’s 2014
5 budget, but due to “outage constraints”, Generating Units 3 and 4 were substituted
6 for Units 1 and 2.

7 Please elaborate on the meaning of “outage constraints”?

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10 **A.** In order to replace these spherical valve by-pass assemblies at Bay d’Espoir
11 generating station, the penstock is required to be de-watered, which requires an
12 outage for two units. Due to the Island Interconnected System requirements and
13 the alignment of other work packages that also require unit outages, and
14 considering that Hydro aims to reduce generating unit outages, Hydro made
15 adjustments to align work that required similar unit outages. This resulted in Units
16 3 and 4 being substituted for Units 1 and 2. There will be no extra costs as a result
17 of this realignment. The spherical valve by-pass assemblies on all units at Bay
18 d’Espoir are being replaced as they have all become unreliable due to their age and
19 constant use.