

1 Q. With reference to the Project **C-67, Replace Battery Banks and Chargers 2013**, and
2 the proposal to add (per page 4, Volume II, Tab 27) a second battery bank and a
3 dual charger for the Bay d’Espoir Hydro Plant,

4 (a) For how long has the Bay d’Espoir Hydro Plant operated with a single battery
5 bank and charger?

6 (b) What has been the operational experience with the single battery bank and
7 charger at the Bay d’Espoir Hydro Plant?

8 (c) What is the justification for a second battery bank and a dual charger at the Bay
9 d’Espoir Hydro Plant?

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12 A. (a) The proposal is for a second, redundant bank and charger for Powerhouse 2
13 containing Unit 7. Powerhouse 2 has operated since it went in service with a
14 single battery bank and charger with a DC power backup from Powerhouse 1.
15 Powerhouse 1, containing Units 1 to 6, has a redundant bank and charger.

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17 (b) There has been one instance of an issue at Powerhouse 2 where the back-up DC
18 system was out of service due to issues with the cable from Powerhouse 1.

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20 (c) Powerhouse 2 requires a redundant DC power system due to the size and
21 importance of the unit and the inherent problems with supplying DC power
22 backup from a remote location. DC power is essential to provide power to the
23 plant’s unit protection system.