

1 Q. Re: **Upgrade Transmission Line Corridor Bay d'Espoir to Western Avalon**, Pages 27-
2 28 and 52-53.

3 Please provide an estimate of the additional cost to install a generator to provide
4 the 175 MW synchronous condenser capabilities described in the alternatives
5 considered in the analysis justifying this project.
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8 A. The 175 MVAR synchronous condensers described in the Application are high
9 inertia synchronous condensers. The least capital cost option to provide the
10 synchronous condenser capability on a generator would be to install simple cycle
11 combustion turbines with a clutch mechanism such that the electric generator, or
12 alternator, can operate as a synchronous condenser when the unit is not required
13 to operate in a generate mode. Hydro's response to NP-NLH-007 provides the
14 technical and cost implications of a generator/synchronous condenser combined
15 solution.