

1 Q. **Bay D’Espoir Expansion**

2 At pages 58-59 of Hydro's Operation Philosophy Report and Critical Customers  
3 Report, circulated March 30, 2017 in relation to the Board's ongoing Investigation  
4 and Hearing on Supply Issues (Phase 2), Hydro states:

5 *“In order for Hydro to do a complete evaluation of the competitiveness of*  
6 *new sources of Island Interconnected System generation, Hydro requires an*  
7 *accurate estimate of each reasonable generation alternatives. One proposed*  
8 *Island Interconnected System generation alternative is the construction of a*  
9 *new hydroelectric generation turbine unit at the Bay d’Espoir Power Plant.*

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11 *The new hydroelectric generation turbine (unit 8) would be identical to unit 7*  
12 *and would add 154.4 MW of capacity to the Island Interconnected System. It*  
13 *could also be started quickly and could be put on-line when coming into high*  
14 *load periods or kept on-line for extended periods. Given improvements in*  
15 *technology, a new turbine could also be more efficient than the existing*  
16 *turbines at Bay D’Espoir. Bay D’Espoir unit 8 is one candidate for the least-*  
17 *cost source of additional capacity.*

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19 *Hydro is currently completing more detailed feasibility studies and cost*  
20 *estimated for this alternative. The results of this analysis will be used as*  
21 *input to the evaluation of the competitiveness of new sources of Island*  
22 *Interconnected System generation. The construction schedule for a new unit*  
23 *is estimated to be approximately 3.5 years, so Hydro is taking action to*  
24 *attain the required information for its review.”*

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26 Please provide copies of the most recent studies or reports, prepared by Hydro or in  
27 Hydro's possession, regarding the development of new sources of Island

1 Interconnected System generation, including but not limited to a new turbine at  
2 Bay D'Espoir.

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5 A. Hydro is not proposing any capital works in relation to potential generation sources  
6 in the present application. Therefore, Hydro considers that the supply of historical  
7 documentation regarding potential generating sources will not provide beneficial  
8 data for the Board in this proceeding.