

1 Q. **Reference: Request for Additional Information – Hydro’s Reply, October 16, 2025, page 2.**

2 “The unit has experienced three overspeed events following load rejections in the last ten years.
3 The latest two trips in 2017 and 2022 did not require rebalancing. Despite this performance
4 improvement, the concerns regarding the floating rim design are still valid, as more frequent or
5 longer duration overspeed events have the potential to result in similar balance issues.”

6 a) Has the operating regime for Bay d’Espoir Unit 7 changed in any way over the past 10
7 years? For example, has the increase in reserves implemented following DarkNL
8 impacted the loading of Unit 7 and resulting overspeed events?

9 b) Will the operation of Bay d’Espoir Unit 7 during an extended LIL outage where Bay
10 d’Espoir generation will be required at increased production levels increase the risk for
11 more frequent or longer duration overspeed events?

12 c) When did the third overspeed event occur and how long was Unit 7 out of service to
13 rebalance the generator during this event?

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16 A. a) No, the operating regime for Bay d’Espoir Unit 7 has not changed materially over the last
17 ten years. As Unit 7 is the largest hydroelectric unit on the Island Interconnected System and
18 serves as a synchronous condenser, it is one of the most highly utilized units. As shown in
19 Figure 1, except for 2019 when Unit 7 was out of service for the planned turbine
20 refurbishment work, the annual operating hours have only varied slightly over the last 13
21 years.

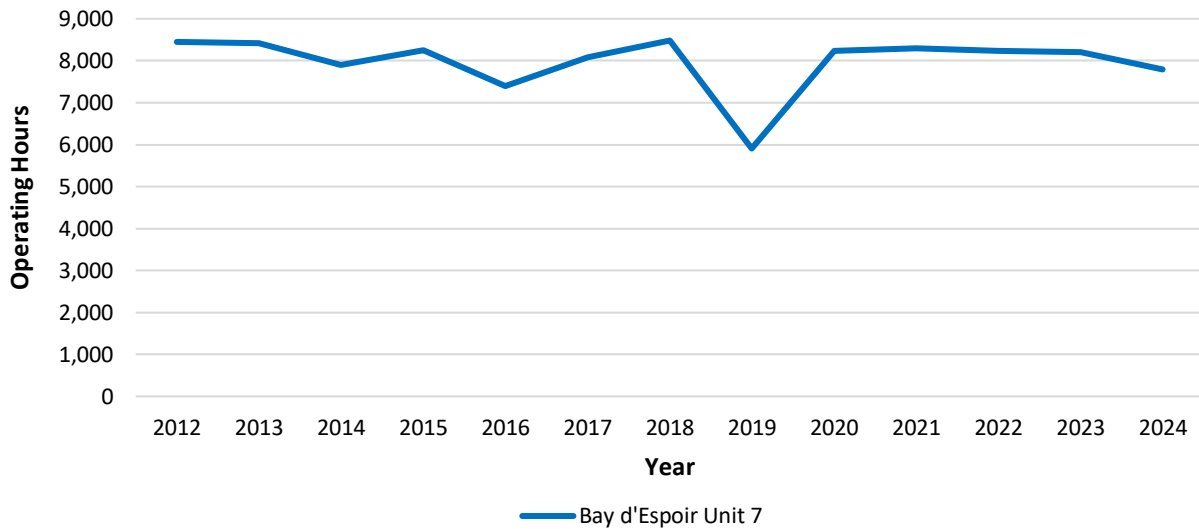


Figure 1: Annual Operating Hours

- 1 **b)** No. As noted in part a), Unit 7 is one of the most highly utilized units on the system. Its
2 operation during a prolonged Labrador-Island Link outage would be similar to its operation
3 during a typical winter operating season; thus, there is no directly attributable overspeed
4 event risk increase as a result.
- 5 **c)** The third overspeed occurred on August 5, 2015. Unit 7 tripped to speed-no-load and then
6 shut down for a short period before restarting. It ran until August 16, 2015, when a planned
7 shutdown started.