1	Q.	Reference: Reliability and Resource Adequacy Study 2022 Update, Volume III, page 48, lines
2		10-14.
3		It is noted that Bay d'Espoir Unit 8 would provide only incremental capacity, and no incremental
4		energy. Describe, including any conditions that impact the answer, and estimate:
5		a) the quantitative impacts Bay d'Espoir Unit 8 would have on system-wide energy capability;
6 7		b) how much energy would have to be reserved to ensure that Bay d'Espoir Unit 8 can generate at full capacity;
8		c) if there is a reduction in system-wide energy capability, due to the addition of Bay d'Espoir
9 10 11		Unit 8, what generation sources would make up for this reduction, with and without Holyrood generating units in service and state the degree to which fossil-fueled generation would serve to provide that makeup;
12 13		d) the impact of Bay d'Espoir Unit 8 on satisfaction of the energy criterion, and the year in which incremental energy requirements occur; and
14 15		e) to what degree do the answers to the preceding questions in this request for information depend on the need to cover an extended LIL bipole outage, and the duration of the outage.
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17		
18	A.	The impact the addition of Unit 8 at the Bay d'Espoir Hydroelectric Generating Facility ("Bay
19		d'Espoir Unit 8") would have on firm and average energy availability can be seen in the "Final
20		Report for Hydrology and Feasibility Study for Potential Bay d'Espoir Hydroelectric Generating
21		Unit No. 8" ("Bay d'Espoir Unit 8 Hydrology and Feasibility Study"), filed as part of the
22		"Reliability and Resource Adequacy Study – 2022 Update" ("2022 Update").1
23		a) Two factors that could potentially affect the available energy on the Bay d'Espoir system,
24		spill and efficiency, are addressed in the Bay d'Espoir Unit 8 Hydrology and Feasibility Study.

¹ "Reliability and Resource Adequacy Study - 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. III, att. 7.

incremental energy requirements occur.

e) Please refer to part b) of this response.

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² "Reliability and Resource Adequacy Study - 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. III, sec. 9.0, p. 54/17–22.