

- 1 **Q. (Reference CA-NP-039) With respect to NP's Hydro plants:**
2 **a) Of expenditures on replacements due to in-service failures listed in**
3 **Table 1, how much were on (i) the Victoria hydro facility and (ii) the**
4 **Topsail hydro facility?**
5 **b) Attachment A shows that from August 2022 to June 2025, with the**
6 **exception of 0.038 GWh in February 2023, there was no monthly**
7 **generation at the Victoria plant. (i) Please explain why the facility has**
8 **not operated and whether it will operate prior to NP's planned**
9 **refurbishment in 2027/28 (2026 Capital Budget Overview, Appendix B,**
10 **page 1). (ii) Please provide a table of annual capital expenditures and**
11 **operating/maintenance costs as well as generation for the Victoria**
12 **facility for 2010 to 2026F. (iii) What is the capacity of the Victoria**
13 **plant?**
14 **c) Attachment A shows that from July 2023 to May 2025 there was no**
15 **monthly generation at Topsail and only 0.006 GWh in June of 2025. (i)**
16 **Please explain why the facility has not operated and when it will be**
17 **returned to service. (ii) Please provide a table of annual capital**
18 **expenditures and operating/maintenance costs as well as generation**
19 **for the Topsail facility for 2010 to 2026F. (iii) What is the capacity of**
20 **the Topsail plant?**
21
22 **A. a)** See Table 1 below for hydro plant replacements due to in-service failures for
23 Victoria and Topsail hydro plants.

Table 1 Hydro Plant Replacements Due to In-Service Failures of Victoria and Topsail Hydro Plants (\$000s)					
	2021	2022	2023	2024	2025F¹
In-Service Failures – Topsail Plant	-	156	201	354	-
In-Service Failures – Victoria Plant	561	66	16	-	-
In-Service Failures Program Total	630	730	627	636	731

- 24 **b) (i)** The Victoria Hydro Plant experienced a series of penstock and headgate
25 failures beginning in 2021. In 2021, a section of steel penstock near the
26 plant failed in service and was repaired as an in-service failure. In late
27 2022, the gate operator which allows water into the penstock failed
28 restricting operation again. Once the plant was returned to service after the
29 failures, the penstock failed in March of 2023, after which the plant could
30 not be returned to service. This information was filed with the Board of

¹ Newfoundland Power does not forecast costs on a plant-by-plant basis for this program and therefore such information is not available.

Commissioners of Public Utilities of Newfoundland and Labrador on February 2, 2024.² The Plant will not operate prior to Newfoundland Power's planned refurbishment in 2027.

(ii) Attachment A provides the annual capital expenditures, operations and maintenance costs, and annual generation from 2010 to 2024 for Victoria Plant. Newfoundland Power is unable to provide the requested information for 2025F and 2026F as the information is not yet available. Newfoundland Power confirms there are no planned capital expenditures for Victoria Plant in the 2026 Capital Budget Application.

(iii) The normal production for the Victoria Plant is approximately 3.13 GWh. The plant has a capacity of 0.55 MW.

c) (i) The Topsail Hydro Plant has not operated due to a series of failures of the unit's combination thrust and guide bearing. The unit has been offline pending repair of the bearing, with limited operation for test and commissioning purposes. The noted generation occurred during attempted commissioning of an unsuccessful repair. The Topsail Plant is currently undergoing commissioning of the repaired bearing and is expected to be in service in the fourth quarter of 2025.

(ii) Attachment B provides the annual capital expenditures, operations and maintenance costs, and annual generation from 2010 to 2024 for Topsail Plant. Newfoundland Power is unable to provide the requested information for 2025F and 2026F as the information is not yet available. Newfoundland Power confirms there are no planned capital expenditures for Topsail Plant in the 2026 Capital Budget Application.

(iii) The normal production for the Topsail Plant is approximately 13.3 GWh. The plant has a capacity of 2.6 MW.

² These documents are available on the PUB website at: www.pub.nl.ca/indexreportspages/hydroelectricproduction.php



ATTACHMENT A:

Victoria Plant: Generation, Operating Maintenance Costs
& Annual Capital Expenditures

Table 1 Victoria Plant Generation, Operating Maintenance Costs & Annual Capital Expenditures			
Year	Generation (kWh)	Operating Maintenance Costs (\$ thousands)	Annual Capital Expenditures (\$ thousands)
2010	3,490,170	26	32
2011	3,467,306	22	0
2012	2,181,348	36	0
2013	3,215,747	22	7
2014	2,961,131	29	0
2015	2,150,532	44	36
2016	1,344,438	35	0
2017	2,316,466	39	97
2018	1,266,938	51	105
2019	1,947,240	42	0
2020	3,024,448	42	0
2021	814,378	32	561
2022	1,523,398	34	66
2023	37,562	41	16
2024	0	10	0



ATTACHMENT B:

Topsail Plant: Generation, Operating Maintenance Costs
& Annual Capital Expenditures

Table 1 Topsail Plant Generation, Operating Maintenance Costs & Annual Capital Expenditures			
Year	Generation (kWh)	Operating Maintenance Costs (\$ thousands)	Annual Capital Expenditures (\$ thousands)
2010	14,608,467	67	10
2011	12,973,965	64	75
2012	9,174,472	132	953
2013	11,084,745	86	557
2014	8,823,915	251	340
2015	6,969,928	126	60
2016	11,221,260	122	19
2017	10,062,383	86	967
2018	12,602,334	108	0
2019	6,995,870	119	798
2020	0	23	638
2021	0	27	15,682
2022	7,066,579	66	574
2023	4,515,547	74	201
2024	0	18	354