Q. (Reference CA-NP-009, Attachment A) Regarding the West Brook hydro plant, please provide the following information:

a) The reason that the plant's monthly generation did not exceed 326 MWh in any month from January 2025 to June 2026.

b) The plant's monthly generation from January 2020 to December 2025.

c) The plant's annual generation from 2010 to 2026F.

d) Annual expenditure on the plant (total, capital, operating and other) from 2010 to 2026F.

A. a) Newfoundland Power's West Brook Hydro Plant is rated to produce a maximum of 0.72 MW. As noted in the response to Request for Information CA-NP-009, West Brook is a run-of-river hydro plant with no system storage.[1] The monthly production of 326 MWh represents the plant operating at its maximum rated production for approximately 63% of the month.[2]

In 2025, West Brook Hydro Plant produced approximately 1.7 GWh. Newfoundland Power considers the normal annual production for West Brook to be approximately 3.4 GWh, with the discrepancy being partly due to the widespread drought conditions experienced during the summer of 2025.

b) See Attachment A.

c) See Attachment B.

d) See Attachment B. Newfoundland Power does not forecast operating expenses or in-service failures by plant. As such, no 2026F forecast is available. No capital projects relating to West Brook Hydro Plant are approved for 2026.

[1] As a run-of-the-river hydroelectric plant with minimal storage, West Brook production is limited by the water available to the plant. The capacity factor for run-of-the-river hydro plants can range between 40% and 80%, see https://energybc.ca/runofriver.html.

[2] 326 MWh/0.72MW = 453 hours, 453 hours/(24 hours x 30 days) = 0.629 or 63%.

ATTACHMENT A:

West Brook Historical Monthly Generation Data 2020-2025

Table 1
West Brook Plant Monthly Generation in MWh
(2020-2025)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	189	197	261	330	193	0	0	0	127	274	267	306
2021	219	214	233	100	154	46	49	31	149	94	371	272
2022	210	268	313	321	114	283	23	173	65	102	147	190
2023	112	210	161	178	101	129	47	56	216	152	210	243
2024	147	168	202	272	192	217	66	0	0	0	0	0
2025	128	157	272	326	162	103	5	0	31	83	184	291

ATTACHMENT B:

West Brook Plant: Generation, Operating Maintenance Costs & Annual Capital Expenditures

Table 1
West Brook Plant
Generation, Operating Maintenance Costs & Annual Capital Expenditures

Year	Generation (kWh)	Operating Maintenance Costs ($ thousands)	Annual Capital Expenditures ($ thousands)
2010	2,396,676	24	103
2011	2,187,125	41	119
2012	1,596,162	26	251
2013	2,290,065	24	91
2014	1,818,847	51	81
2015	2,299,046	38	61
2016	2,384,742	30	5
2017	2,659,802	41	49
2018	2,606,731	36	197
2019	1,744,885	79	51
2020	2,143,114	27	5
2021	1,931,724	35	0
2022	2,207,546	83	0
2023	1,806,388	43	3
2024	1,263,628	29	156
2025	1,742,324	25	16