

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

- a) The reason that the plant's monthly generation did not exceed 183 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) The Fall Pond Hydro Plant is rated to produce a maximum of 0.35 MW. Monthly production of 183 MWh represents approximately 523 hours of production at the plant's rated output, equating to 73% of the hours in a month.¹ In addition, Fall Pond Hydro Plant is largely a run-of-the-river hydroelectric plant with only minimal system storage of 42 MWh or 5 days of production at rated capacity.² A 73% capacity factor is considered high for a run-of-the-river hydroelectric plant.³

Normal production for the Fall Pond Hydro Plant is 1.2 GWh per year. Production in 2025 amounted to 0.9 GWh. Newfoundland Power observes this is reasonable production in consideration of the drought conditions experienced during 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 Fall Pond hydro plant are approved for 2026.

¹ 183 MWh/0.35 MW = 522.86 hours, 523 hours/(24 hours x 30 days) = 0.726 or 73%.

² As a run-of-the-river hydroelectric plant with minimal storage, Fall Pond production is limited by the water available to the plant.

³ Capacity factor for run-of-the-river hydro plants can range between 40% and 80%, see <https://energybc.ca/runofriver.html>.



ATTACHMENT A:

Fall Pond Historical Monthly Generation Data 2020-2025

CA-NP-055
Attachment A

Newfoundland Power Inc. - 2027 Capital Budget Application

Table 1
Fall Pond Plant Monthly Generation in MWh
(2020-2025)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020	54	62	147	187	91	96	15	56	132	103	103	135
2021	71	74	97	111	40	29	44	47	55	23	173	140
2022	129	154	103	127	16	109	56	72	16	48	115	129
2023	110	95	48	86	16	72	25	71	111	83	78	65
2024	39	46	176	133	61	114	47	24	0	102	122	120
2025	66	40	174	122	62	54	15	14	28	18	183	118



ATTACHMENT B:

Fall Pond Plant: Generation, Operating Maintenance Costs
& Annual Capital Expenditures

Newfoundland Power Inc. – 2027 Capital Budget Application

Table 1 Fall Pond Plant Generation, Operating Maintenance Costs & Annual Capital Expenditures			
Year	Generation (kWh)	Operating Maintenance Costs (\$ thousands)	Annual Capital Expenditures (\$ thousands)
2010	670,817	21	0
2011	1,012,678	21	4
2012	779,773	18	0
2013	838,416	22	0
2014	113,329	15	0
2015	2,916,291	14	6
2016	1,002,857	13	0
2017	1,118,877	19	106
2018	1,201,918	22	0
2019	924,695	36	0
2020	1,182,513	20	0
2021	905,592	48	0
2022	1,075,312	21	0
2023	861,012	37	0
2024	984,785	36	0
2025	891,892	21	0