
1 Q. Please provide by plant and by major expense category for 2019 to 2023 the capital
2 budgets for Newfoundland Hydro and Nalcor Power Supply production
3 organization.

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6 A. Please refer to Tables 1, 2 and 3 for Hydro's 2019 to 2023 production organization
7 capital budgets by plant. Please refer to Table 4 for the Exploits and Star Lake 2019
8 to 2023 capital budgets.

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10 Hydro's five-year capital plan is a living document and is revised on an ongoing basis
11 as new asset condition information becomes available, asset management
12 strategies evolve, and demands and priorities change within asset classes. The five-
13 year capital plan supports Hydro's responsibility to maintain its infrastructure
14 providing safe, reliable and least-cost electricity for customers.

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16 A breakdown by major expense category for Hydro's five-year capital plan is not
17 readily available. Major expense category breakdowns for 2019 can be found in the
18 production proposals in Hydro's approved 2019 Capital Budget Application.

**Table 1: Hydraulic Plant
2019 to 2023 Capital Budget**

(\$000s)

Plant	2019	2020	2021	2022	2023	Total
Bay d'Espoir	12,710.1	13,548.4	15,833.2	15,410.9	3,865.0	61,367.6
Snooks Arm	-	-	289.3	-	-	289.3
Hinds Lake	1,490.4	2,349.8	775.7	673.0	1,655.0	6,943.9
Paradise River	43.8	728.9	435.0	2,459.7	450.0	4,117.4
Granite Canal	562.2	1,437.5	95.0	-	330.0	2,424.7
Cat Arm	-	712.6	779.7	527.3	2,900.0	4,919.6
Upper Salmon	-	2,082.2	747.1	1,624.4	1,775.0	6,228.7
Various ¹	5,409.2	2,761.0	4,390.0	2,250.0	5,250.0	20,060.2
Total	20,215.7	23,620.4	23,345.0	22,945.3	16,225.0	106,351.4

**Table 2: Thermal Plant
2019 to 2023 Capital Budget**

(\$000s)

Plant	2019	2020	2021	2022	2023	Total
Holyrood Thermal Generating Station	7,139.6	6,948.5	11,185.5	6,890.9	4,559.2	36,723.7

**Table 3: Gas Turbines
2019 to 2023 Capital Budget**

(\$000s)

Plant	2019	2020	2021	2022	2023	Total
Holyrood Gas Turbine	3,083.4	2,817.7	2,500.0	-	-	8,401.1
Happy Valley	-	1,486.8	1,400.0	850.0	200.0	3,936.8
Hardwoods	3,021.4	1,725.0	2,825.0	1,600.0	2,100.0	11,271.4
Stephenville	214.6	525.0	1,556.0	500.0	1,500.0	4,295.7
Various ¹	-	300.0	300.0	300.0	300.0	1,200.0
Total	6,319.4	6,854.5	8,581.0	3,250.0	4,100.0	29,104.9

¹ Certain capital projects span multiple plant locations and are budgeted based on a project total. The information to separate out by location is not readily available and therefore have been classified as various.

**Table 4: Exploits and Star Lake Plant
2019 to 2023 Capital Budget**

	(\$000s)					
Plant	2019	2020	2021	2022	2023	Total
Star Lake	1,274.5	705.0	1,230.0	1,080.1	1,233.9	5,523.5
<u>Exploits:</u>						
Grand Falls	8,117.1	1,908.8	4,488.5	800.0	3,567.1	18,881.5
Bishop Falls	4,769.9	1,029.0	2,775.7	2,100.0	2,351.7	13,026.3
Millertown	2,335.5	2,256.8	2,222.0	810.9	1,375.1	9,000.3
Goodyear's Dam	150.0		20,672.9	27,310.1		48,133.0
North Twin Lake Dam				417.0		417.0
South Twin Lake Dam				417.0		417.0
Total	16,647.0	5,899.6	31,389.1	32,935.1	8,527.8	95,398.6

1 Approximately \$63 million of the Exploits five-year capital plan is associated with heavy
 2 civil scopes. This includes the Goodyear Dam replacement, which is estimated to cost
 3 approximately \$48 million in 2021/2022.

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5 Capital programs, not relating to the construction of the Muskrat Falls Plant, are in early
 6 stages of development. Items being investigated include long term warehousing
 7 opportunities, operational site infrastructure and site remediation, specialized tools and
 8 equipment.