

1 Q. **Tab A; Volume I: Capital Budget**

2 Please update the financial schedules to reflect Hydro's approval request of \$107,452,400.

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5 A. The difference in the \$112,691,400 reflected in the financial schedules and the \$107,452,400
6 requested for approval in Newfoundland and Labrador Hydro's ("Hydro") 2021 Capital Budget
7 Application, Tab A, Volume I is related to two projects: (i) the 2021–2024 Diesel Plan
8 Replacement – Charlottetown project (\$5,194,700 in 2021) and (ii) the project to Install Fire
9 Protection in Diesel Plants – Port Hope Simpson (\$44,300 in 2021). As indicated in Hydro's 2021
10 Capital Projects Overview¹ and 2021–2025 Capital Plan,² Hydro purposefully reflected the
11 projects in its financial schedules and five-year plan for transparency and completeness, as
12 Hydro anticipates filing an application to begin this work in 2021 but was not prepared to
13 include a proposal in its 2021 Capital Budget Application.

14 For information purposes, these two projects have been removed from the schedules provided
15 in PUB-NLH-014, Attachment 1, to reflect Hydro's approval request of \$107,452,400.

¹ "2021 Capital Budget Application," Newfoundland and Labrador Hydro, rev 1, August 7, 2020 (originally filed August 4, 2020) vol I, Capital Projects Overview, sec. 4.2.3 and footnotes 2 and 9.

² 2021 Capital Budget Application," Newfoundland and Labrador Hydro, rev 1, August 7, 2020 (originally filed August 4, 2020) vol I, Capital Projects Overview, sec. 5.4.1.

2021 Capital Budget Application
Section A: 2021 Capital Budget

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget Overview
 (\$000)

	Expended to 2020	2021	Future Years	Total
		(\$000)		
Generation	8,710.1	50,723.1	20,655.2	80,088.4
Transmission and Rural Operations	4,265.6	48,182.2	41,593.9	94,041.7
General Properties	1,714.6	7,547.1	2,273.6	11,535.3
Allowance for Unforeseen	0.0	1,000.0	0.0	1,000.0
Total Capital Budget	14,690.3	107,452.4	64,522.7	186,665.4

*2021 Capital Budget Application
 Section A: 2021 Capital Budget*

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget: Summary by Category
 (\$000)

	Expended to	2021	Future Years	Total
	2020			
	(\$000)			
Generation				
Hydraulic Plant	6,580.2	21,306.2	16,888.6	44,775.0
Thermal Plant	1,281.4	22,730.1	915.9	24,927.4
Gas Turbines	848.5	6,428.1	2,850.7	10,127.3
Tools and Equipment	0.0	258.7	0.0	258.7
Total Generation	8,710.1	50,723.1	20,655.2	80,088.4
Transmission and Rural Operations				
Terminal Stations	3,712.0	24,236.7	40,263.3	68,212.0
Transmission	0.0	2,896.9	0.0	2,896.9
Distribution	174.0	12,414.6	805.6	13,394.2
Generation	288.0	6,562.6	525.0	7,375.6
Properties	91.6	292.6	0.0	384.2
Metering	0.0	233.4	0.0	233.4
Tools and Equipment	0.0	1,545.4	0.0	1,545.4
Total Transmission and Rural Operations	4,265.6	48,182.2	41,593.9	94,041.7
General Properties				
Information Systems	0.0	2,202.7	0.0	2,202.7
Telecontrol	0.0	1,033.9	0.0	1,033.9
Transportation	1,625.5	3,204.2	1,335.1	6,164.8
Administrative	89.1	1,106.3	938.5	2,133.9
Total General Properties	1,714.6	7,547.1	2,273.6	11,535.3
Allowance for Unforeseen Items	0.0	1,000.0	0.0	1,000.0
Total Capital Budget	14,690.3	107,452.4	64,522.7	186,665.4

*2021 Capital Budget Application
 Section A: 2021 Capital Budget*

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget: Detailed Breakdown
 (\$000)

Project Description	Expended to			Total
	2020	2021	Future Years	
	(\$000)			
Hydraulic Plant				
Hydraulic Generation Refurbishment and Modernization (2020-2021)	6,580.2	10,249.8	0.0	16,830.0
Hydraulic Generation Refurbishment and Modernization (2021-2022)	0.0	6,569.6	6,505.5	13,075.1
Refurbish Ebbegunbaeg Control Structure	0.0	3,236.8	10,383.1	13,619.9
Hydraulic Generation In-Service Failures (2021)	0.0	1,250.0	0.0	1,250.0
Total Hydraulic Plant	6,580.2	21,306.2	16,888.6	44,775.0
Thermal Plant				
Rewind Unit 3 Stator - Holyrood	1,281.4	5,664.2	0.0	6,945.6
Overhaul Unit 1 Turbine and Valves - Holyrood	0.0	8,026.6	0.0	8,026.6
Boiler Condition Assessment and Miscellaneous Upgrades - Holyrood	0.0	3,000.0	0.0	3,000.0
Thermal In-Service Failures (2021)	0.0	2,000.0	0.0	2,000.0
Upgrade Waste Water Equalization System - Holyrood	0.0	1,813.4	547.7	2,361.1
Inspect Chemical Tanks - Holyrood	0.0	919.8	0.0	919.8
Overhaul Unit 3 Generator - Holyrood	0.0	572.7	0.0	572.7
Overhaul Unit 3 Boiler Feed Pump East - Holyrood	0.0	373.0	0.0	373.0
Upgrade Distributed Control System Hardware - Holyrood	0.0	360.4	368.2	728.6
Total Thermal Plant	1,281.4	22,730.1	915.9	24,927.4

2021 Capital Budget Application
Section A: 2021 Capital Budget

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget: Detailed Breakdown
 (\$000)

Project Description	Expended to			Total
	2020	2021	Future Years	
			(\$000)	
Gas Turbines				
Perform Combustor Inspection - Holyrood Gas Turbine	546.1	2,500.0	2,400.0	5,446.1
Replace Fire Suppression System - Happy Valley Gas Turbine	264.6	2,377.9	0.0	2,642.5
Install Partial Discharge Monitoring - Holyrood Gas Turbine	37.8	575.0	0.0	612.8
Construct Lube Oil Cooler Hood and Containment System - Holyrood Gas Turbine	0.0	318.8	0.0	318.8
Purchase Capital Spares - Gas Turbines (2021)	0.0	213.8	0.0	213.8
Replace Voltage Regulator - Happy Valley Gas Turbine	0.0	131.3	211.0	342.3
Replace Fuel Oil, Lube Oil, and Glycol Pumps - Happy Valley Gas Turbine	0.0	234.7	170.5	405.2
Upgrade Compressed Air System - Happy Valley Gas Turbine	0.0	76.6	69.2	145.8
Total Gas Turbines	848.5	6,428.1	2,850.7	10,127.3
Tools and Equipment				
Purchase Tools and Equipment Less than \$50,000 (2021) - Hydraulic Plants	0.0	194.3	0.0	194.3
Purchase Tools and Equipment Less than \$50,000 (2021) - Gas Turbine	0.0	45.6	0.0	45.6
Purchase Tools and Equipment Less than \$50,000 (2021) - Thermal Plants	0.0	18.8	0.0	18.8
Total Tools and Equipment	0.0	258.7	0.0	258.7
Total Generation	8,710.1	50,723.1	20,655.2	80,088.4
Terminal Stations				
Terminal Station Refurbishment and Modernization (2020-2021)	3,712.0	5,684.9	0.0	9,396.9
Terminal Station Refurbishment and Modernization (2021-2022)	0.0	6,171.6	7,182.0	13,353.6
Upgrade Circuit Breakers - Various (2021-2022)	0.0	5,418.8	6,113.9	11,532.7
Wabush Terminal Station Upgrades	0.0	2,301.7	9,271.2	11,572.9
Terminal Station In-Service Failures (2021)	0.0	1,800.0	0.0	1,800.0
Upgrades for Future Retirement of Stephenville Gas Turbine	0.0	1,530.3	8,389.5	9,919.8
Additions for Load - Wabush Substation Upgrades	0.0	1,186.7	9,306.7	10,493.4
Purchase SF6 Gas Recovery Systems	0.0	142.7	0.0	142.7
Total Terminal Stations	3,712.0	24,236.7	40,263.3	68,212.0
Transmission				
Wood Pole Line Management Program (2021)	0.0	2,896.9	0.0	2,896.9
Total Transmission	0.0	2,896.9	0.0	2,896.9

2021 Capital Budget Application
Section A: 2021 Capital Budget

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget: Detailed Breakdown
 (\$000)

Project Description	Expended to			Total
	2020	2021	Future Years	
			(5000)	
Distribution				
Upgrade of Worst Performing Distribution Feeders (2020-2021)	102.7	3,155.1	0.0	3,257.8
Install Recloser Remote Control - Hampden and Upper Salmon (2020-2021)	71.3	185.3	0.0	256.6
Distribution System In-Service Failures, Miscellaneous Upgrades and Streetlight Modernization in Central Region (2021)	0.0	1,985.4	0.0	1,985.4
Provide Service Extensions in Central Region (2021)	0.0	1,357.4	0.0	1,357.4
Provide Service Extensions in Labrador Region (2021)	0.0	1,218.6	0.0	1,218.6
Provide Service Extensions in Northern Region (2021)	0.0	1,164.5	0.0	1,164.5
Distribution System In-Service Failures, Miscellaneous Upgrades and Streetlight Modernization in Northern Region (2021)	0.0	1,033.5	0.0	1,033.5
Distribution System In-Service Failures, Miscellaneous Upgrades and Streetlight Modernization in Labrador Region (2021)	0.0	784.7	0.0	784.7
Additions for Load Growth - Happy Valley Line 7	0.0	617.6	0.0	617.6
Labrador City L22 Voltage Conversion	0.0	593.6	0.0	593.6
Upgrade of Worst Performing Distribution Feeders (2021-2022)	0.0	318.9	805.6	1,124.5
Total Distribution	174.0	12,414.6	805.6	13,394.2
Generation				
Diesel Plant Ventilation Upgrade - Nain	162.7	690.4	0.0	853.1
Replace Powerhouse Roofing System - L'Anse Au Loup and St. Anthony Diesel Plant	125.3	1,195.8	0.0	1,321.1
{} {}				
Diesel Genset Replacements (2021-2022)	0.0	2,560.6	525.0	3,085.6
Overhaul Diesel Units - Various (2021)	0.0	1,232.9	0.0	1,232.9
Inspect Fuel Storage Tanks - Postville	0.0	532.6	0.0	532.6
Replace Fuel Storage Tank - Paradise River	0.0	350.3	0.0	350.3
{} {}				
Total Generation	288.0	6,562.6	525.0	7,375.6

*2021 Capital Budget Application
 Section A: 2021 Capital Budget*

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget: Detailed Breakdown
 (\$000)

Project Description	Expended to	2021	Future Years	Total
	2020			
	(\$000)			
Properties				
Upgrade Fire Suppression System - Bishop's Falls	91.6	292.6	0.0	384.2
Total Properties	91.6	292.6	0.0	384.2
Metering				
Purchase Meters and Metering Equipment (2021)	0.0	233.4	0.0	233.4
Total Metering	0.0	233.4	0.0	233.4
Tools and Equipment				
Replace Light Duty Mobile Equipment	0.0	549.6	0.0	549.6
Replace Snow Groomer (V7601)	0.0	331.3	0.0	331.3
Purchase Tools and Equipment Less than \$ 50,000 - Labrador Region (2021)	0.0	212.8	0.0	212.8
Purchase Backhoe - Wabush	0.0	179.3	0.0	179.3
Purchase Tools and Equipment Less than \$ 50,000 - Central Region (2021)	0.0	150.2	0.0	150.2
Purchase Tools and Equipment Less than \$ 50,000 - Northern Region (2021)	0.0	77.6	0.0	77.6
Purchase Tools and Equipment Less than \$ 50,000 - Terminals & Transmission (2021)	0.0	44.6	0.0	44.6
Total Tools and Equipment	0.0	1,545.4	0.0	1,545.4
Total Transmission and Rural Operations	4,265.6	48,182.2	41,593.9	94,041.7

*2021 Capital Budget Application
 Section A: 2021 Capital Budget*

Newfoundland and Labrador Hydro
 2021 Capital Budget Application
 2021 Capital Budget: Detailed Breakdown
 (\$000)

Project Description	Expended to			Total
	2020	2021	Future Years	
Information Systems				
Software Applications				
Perform Hydro Software Upgrades & Minor Enhancements - Hydro Place (2021)	0.0	372.1	0.0	372.1
Refresh Cyber Security Infrastructure (2021)	0.0	217.5	0.0	217.5
Total Software Applications	0.0	589.6	0.0	589.6
Computer Operations				
Replace Hydro Personal Computers (2021)	0.0	905.4	0.0	905.4
Upgrade Core IT/OT Infrastructure (2021)	0.0	262.8	0.0	262.8
Replace Peripheral Equipment (2021)	0.0	256.4	0.0	256.4
Upgrade Hydro Energy Control Centre Wall Infrastructure	0.0	188.5	0.0	188.5
Total Computer Operations	0.0	1,613.1	0.0	1,613.1
Total Information Systems	0.0	2,202.7	0.0	2,202.7

