

1 Q. Please provide a table indicating the capital budgets for Newfoundland Hydro  
2 transmission line projects for each year from 2019 to 2023. Please provide the  
3 justification used to plan each capital project, with start dates, for that time period.

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

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12 Please see PUB-Nalcor-153, Attachment 1 for Hydro's transmission line projects for  
13 for the years 2019 to 2023.

**PUB-Nalcor-153, Attachment 1**  
**Rate Mitigation Options and Impacts, Page 1 of 1**

Transmission Project Description	Expended to 2018	2019	2020	2021	2022	2023	Total	Justification
Muskkrat Falls to Happy Valley Interconnection	17,731.5	2,247.0	-	-	-	-	19,978.5	This project is required to manage the continuing load growth in Labrador East and provide reliable service to customers.
Wood Pole Line Management Program - Various (2019)	-	2,467.0	-	-	-	-	2,467.0	The WPLM program detects deteriorated poles and other line components early to avoid safety hazards and to identify poles that are at early stages of decay to ensure that corrective measures can be taken to extend the average life of these poles. Cost savings are achieved through the deferring of rebuilding lines and avoiding forced outages.
Wood Pole Line Management Program - Various (2020)	-	-	3,821.2	-	-	-	3,821.2	The WPLM program detects deteriorated poles and other line components early to avoid safety hazards and to identify poles that are at early stages of decay to ensure that corrective measures can be taken to extend the average life of these poles. Cost savings are achieved through the deferring of rebuilding lines and avoiding forced outages.
Conduct LIDAR Surveys (2020) - Various	-	-	250.8	-	-	-	250.8	To properly manage existing infrastructure and perform upgrading analysis.
Wood Pole Line Management Program - Various (2021)	-	-	-	3,381.3	-	-	3,381.3	The WPLM program detects deteriorated poles and other line components early to avoid safety hazards and to identify poles that are at early stages of decay to ensure that corrective measures can be taken to extend the average life of these poles. Cost savings are achieved through the deferring of rebuilding lines and avoiding forced outages.
Upgrade 230 kV L23&L24 - Churchill Falls to Wabush	-	-	-	324.9	649.6	649.5	1,624.0	Rebuild steel towers in order to maintain reliable service to Labrador West.
Conduct LIDAR Surveys (2021) - Various	-	-	-	256.4	-	-	256.4	To properly manage existing infrastructure and perform upgrading analysis.
Wood Pole Line Management Program - Various (2022)	-	-	-	-	2,995.9	-	2,995.9	The WPLM program detects deteriorated poles and other line components early to avoid safety hazards and to identify poles that are at early stages of decay to ensure that corrective measures can be taken to extend the average life of these poles. Cost savings are achieved through the deferring of rebuilding lines and avoiding forced outages.
Construct TL Equipment Off-Loading Areas - Various	-	-	-	-	1,097.1	1,121.2	2,218.3	This project is to provide pull off areas on major roadways to allow for the safe off loading of equipment.
Wood Pole Line Management Program - Various (2023)	-	-	-	-	-	3,786.3	3,786.3	The WPLM program detects deteriorated poles and other line components early to avoid safety hazards and to identify poles that are at early stages of decay to ensure that corrective measures can be taken to extend the average life of these poles. Cost savings are achieved through the deferring of rebuilding lines and avoiding forced outages.
<b>Total Transmission</b>	<b>17,731.5</b>	<b>4,714.0</b>	<b>4,072.0</b>	<b>3,962.6</b>	<b>4,742.6</b>	<b>5,557.0</b>	<b>40,779.7</b>	