



Newfoundland and Labrador Hydro  
Hydro Place, 500 Columbus Drive  
P.O. Box 12400, St. John's, NL  
Canada A1B 4K7  
t. 709.737.1400 | f. 709.737.1800  
nlhydro.com

December 15, 2023

Board of Commissioners of Public Utilities  
Prince Charles Building  
120 Torbay Road, P.O. Box 21040  
St. John's, NL A1A 5B2

Attention: Jo-Anne Galarneau  
Executive Director and Board Secretary

**Re: 2024 Capital Budget Application – Schedule 1, Appendix B - Correction**

In its 2024 Capital Budget Application (“Application”),<sup>1</sup> Newfoundland and Labrador Hydro listed two multi-year projects as single-year projects in error. This resulted in an incorrect presentation of the totals by single- and multi-year projects within the Capital Budget Overview (Schedule 1, Appendix B).

Hydro has corrected the error and enclosed an updated Appendix B reflecting the appropriate totals. There is no impact to Hydro’s request for approval of \$96.5 million in capital expenditures for 2024 within the Application as a result of this correction.

For convenience, Hydro has also included a Change History indicating the locations and reasons for the corrections, which have also been highlighted yellow, for ease of reference.

Should you have any questions, please contact the undersigned.

Yours truly,

**NEWFOUNDLAND AND LABRADOR HYDRO**

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Shirley A. Walsh  
Senior Legal Counsel, Regulatory  
SAW/sk

Encl.

ecc:

**Board of Commissioners of Public Utilities**  
Jacqui H. Glynn  
Cheryl Blundon  
Maureen Greene, KC  
PUB Official Email

**Labrador Interconnected Group**  
Senwung F. Luk, Olthuis Kleer Townshend LLP  
Nicholas E. Kennedy, Olthuis Kleer Townshend LLP

**Newfoundland Power Inc.**  
Dominic J. Foley  
Lindsay S.A. Hollett  
Regulatory Email

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<sup>1</sup> “2024 Capital Budget Application,” Newfoundland and Labrador Hydro, rev. September 21, 2023 (originally filed July 12, 2023).

**Island Industrial Customer Group**

Paul L. Coxworthy, Stewart McKelvey  
Denis J. Fleming, Cox & Palmer  
Dean A. Porter, Poole Althouse

**Consumer Advocate**

Dennis M. Browne, KC, Browne Fitzgerald Morgan & Avis  
Stephen F. Fitzgerald, Browne Fitzgerald Morgan & Avis  
Sarah G. Fitzgerald, Browne Fitzgerald Morgan & Avis  
Bernice Bailey, Browne Fitzgerald Morgan & Avis

## Change History

No.	Filing Date	Location	Reason
Revision 1	17-Aug-2023	Legal Application, sec. 2, p. 1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Legal Application, sec. 12(a), p. 4	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 2/1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 2, Figure 1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 2, f.n. 2	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project from the 2024 Capital Budget Application and the intention to file as a supplemental application to the 2023 Capital Budget Application.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 2/8	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 3, Table 1	Updated to add \$ Millions and to reflect updates to the planned 2024 capital expenditures and cost estimates including the planned inclusion of the Purchase Spare Generator Step-Up Transformer (2024–2026) project as a supplemental application and amendments to planned spend of the same for 2024.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 3, f.n. 7	Addition of Footnote 7 to explain the addition of the Purchase Spare Generator Step-Up Transformer in Table 1.
Revision 1	17-Aug-2023	Sch. 1, sec. 1, p. 4/1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 2.0, p. 8, Chart 1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project and the correction to the presentation of information within the chart.
Revision 1	17-Aug-2023	Sch. 1, sec. 5.1.1, p. 21, Table 9	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project and to correct the description of the total line.

<b>No.</b>	<b>Filing Date</b>	<b>Location</b>	<b>Reason</b>
Revision 1	17-Aug-2023	Sch. 1, sec. 6.0, p. 24/2	Updated to reflect the removal of Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 6.0, p. 24/3	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec 6.0, p. 24, Chart 14	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 6.0, p. 26, Chart 15	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 6.5, p. 31/6	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 6.5, p. 31, Chart 18	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project and addition of Footnote 46.
Revision 1	17-Aug-2023	Sch. 1, sec. 6.9, p. 33/5	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec. 6.9, p. 34/1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, sec 8.0, p. 36/4	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, app. A, pp. A-1–A-2	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, app. A, pp. A-4–A-6	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, app. A, pp. A-8–A-10	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, app. B, p. B-1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, app. B, p. B-6	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 1, app. C, p. C-1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.

<b>No.</b>	<b>Filing Date</b>	<b>Location</b>	<b>Reason</b>
Revision 1	17-Aug-2023	Sch. 1, app. G, p. G-2	Update to Risk Mitigated value for Remove Safety Hazards (2024), Upgrade Data Alarm Systems (2024–2025) - Western Avalon Terminal Station, and removal of Purchase Spare Generator Step-Up Transformer (2024–2026) project
Revision 1	17-Aug-2023	Sch. 1, app. G, p. G-3	Update to Risk Mitigated per Million value for Remove Safety Hazards (2024), Upgrade Data Alarm Systems (2024–2025) - Western Avalon Terminal Station, and removal of Purchase Spare Generator Step-Up Transformer (2024–2026) project
Revision 1	17-Aug-2023	Sch. 2, sec. 2.0, p. 1/20	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 2.0, p. 1/21	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 2.0, p. 2, Chart 1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 3.0, p. 4, Chart 2	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 3.2, p. 8, Chart 5	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 3.2, p. 8, Chart 6	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 3.4, p. 11, Chart 9	Correction to the presentation of information within the chart.
Revision 1	17-Aug-2023	Sch. 2, sec 4.0, p. 13/14	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, sec. 2.0, p. 13/15	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, app. A, p. A-1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, app. A, pp. A-8–A-9	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.

<b>No.</b>	<b>Filing Date</b>	<b>Location</b>	<b>Reason</b>
Revision 1	17-Aug-2023	Sch. 2, app. A, pp. A-15–A-17	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 2, app. B, p. B-1	Updated to reflect the removal of the Purchase Spare Generator Step-Up Transformer (2024–2026) project.
Revision 1	17-Aug-2023	Sch. 6, proj. 1	Removal of Purchase Spare Generator Step-Up Transformer (2024–2026) project
Revision 2	21-Sep-2023	Legal Application, sec. 2, p. 1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Legal Application, sec. 12(a), p. 4	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 2/1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 2, Figure 1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 2/8	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 2, f.n. 2	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 3, Table 1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 3/7	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 1, p. 3, f.n. 8	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 2.0, p. 8, Chart 1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 6.0, p. 24/3	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec 6.0, p. 24, Chart 14	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.

<b>No.</b>	<b>Filing Date</b>	<b>Location</b>	<b>Reason</b>
Revision 2	21-Sep-2023	Sch. 1, sec. 6.0, p. 25, Chart 15	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 6.2, p. 28/18	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec. 6.2, p. 29, Chart 17	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, sec 8.0, p. 36/4	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, app. A, pp. A-1–A-2	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, app. A, pp. A-5–A-10	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, app. B, p. B-1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, app. B, pp. B-5–B-6	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, app. D, p. D-1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 1, app. G, pp. G-2–G-3	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, sec 2.0, p. 1/20-21, 23	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, sec. 2.0, p. 2, Chart 1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, sec. 3.0, p. 4, Chart 2	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, sec. 3.3, p. 9/20	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, sec. 3.3, p. 10, Chart 7	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.

<b>No.</b>	<b>Filing Date</b>	<b>Location</b>	<b>Reason</b>
Revision 2	21-Sep-2023	Sch. 2, sec. 3.3, p. 10, Chart 8	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, sec 4.0, p. 13/14-15	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, app. A, pp. A-1–A-2	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, app. A, p. A-5	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, app. A, p. A-9	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, app. A, p. A-17	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 2, app. B, p. B-1	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Revision 2	21-Sep-2023	Sch. 6, proj. 8	Updated to reflect the removal of the Purchase Accommodations Trailers (2024–2025) – Makkovik and Cartwright project.
Correction	15-Dec-2023	Sch. 1, app. B, p. B-1	Updated to reflect the removal of multi-year projects—Replace Mobile Equipment (2024-2025) project and Purchase 50' Material Handler Aerial Device on Tracked Unit (2024–2026) - Happy Valley-Goose Bay project—from the Single-Year Projects category and moving to the Multi-Year Projects category.
Correction	15-Dec-2023	Sch. 1, app. B, p. B-2	Updated to reflect the removal of multi-year projects—Replace Mobile Equipment (2024-2025) project and Purchase 50' Material Handler Aerial Device on Tracked Unit (2024–2026) - Happy Valley-Goose Bay project—from the Single-Year Projects category and moving to the Multi-Year Projects category.
Correction	15-Dec-2023	Sch. 1, app. B, p. B-3	Updated to reflect the removal of multi-year projects—Replace Mobile Equipment (2024-2025) project and Purchase 50' Material Handler Aerial Device on Tracked Unit (2024–2026) - Happy Valley-Goose Bay project—from the Single-Year Projects category and moving to the Multi-Year Projects category.



<b>No.</b>	<b>Filing Date</b>	<b>Location</b>	<b>Reason</b>
Correction	15-Dec-2023	Sch. 1, app. B, p. B-5	Updated to reflect the removal of multi-year projects—Replace Mobile Equipment (2024-2025) project and Purchase 50' Material Handler Aerial Device on Tracked Unit (2024–2026) - Happy Valley-Goose Bay project—from the Single-Year Projects category and moving to the Multi-Year Projects category.
Correction	15-Dec-2023	Sch. 1, app. B, p. B-6	Updated to reflect the removal of multi-year projects—Replace Mobile Equipment (2024-2025) project and Purchase 50' Material Handler Aerial Device on Tracked Unit (2024–2026) - Happy Valley-Goose Bay project—from the Single-Year Projects category and moving to the Multi-Year Projects category.

# Appendix B

## 2024 Capital Budget by Single- and Multi-Year Programs and Projects



Newfoundland and Labrador Hydro  
2024 Capital Budget Application  
Multi-Year Projects Separated  
(\$000)

	<u>2024</u>
<b>SINGLE-YEAR</b>	
Renewal	28,960.9
Service Enhancement	266.9
General Plant	6,063.5
Access	4,742.7
System Growth	-
Mandatory	1,920.0
Allowance for Unforeseen	1,000.0
	<u>42,954.0</u>
<b>MULTI-YEAR (2024 Expenditures)</b>	
Multi-Year Projects Commencing in 2021	9,329.5
Multi-Year Projects Commencing in 2022	3,631.0
Multi-Year Projects Commencing in 2023	27,286.7
Multi-Year Projects Commencing in 2024	13,251.1
	<u>53,498.3</u>
<b>Total Capital Budget</b>	<u><u>96,452.3</u></u>

**Newfoundland and Labrador Hydro**  
**2024 Capital Budget Application**  
**Single-Year Projects**  
**(\$000)**

**Access**

Purchase Meters and Metering Equipment (2024)	470.7
Provide Service Extensions (2024)	4,272.0
<b>Access Total</b>	<b>4,742.7</b>

**Allowance for Unforeseen**

Allowance for Unforeseen Items (2024)	1,000.0
<b>Allowance for Unforeseen Total</b>	<b>1,000.0</b>

**General Plant**

Purchase Office Equipment Less Than \$50,000 (2024)	50.0
Purchase Tools and Equipment Less than \$50,000 (2024) - Gas Turbine	18.6
Purchase Tools and Equipment Less than \$50,000 (2024) - Hydraulic Plants	209.4
Purchase Tools and Equipment Less than \$50,000 (2024) - Thermal Plants	167.1
Replace Network Communications Equipment (2024)	180.7
Purchase Tools and Equipment Less than \$50,000 (2024) - Central Region	188.2
Purchase Tools and Equipment Less than \$50,000 (2024) - Northern Region	97.0
Purchase Tools and Equipment Less than \$50,000 (2024) - Labrador Region	120.1
Replace Grader Unit V9829 (2024) - Bay d'Espoir	836.7
Upgrade Energy Management System (2024)	366.4
Perform Software Upgrades and Minor Enhancements (2024)	864.2
Purchase Personal Computers (2024)	555.9
Replace Peripheral Infrastructure (2024)	276.8
Upgrade Core OT Infrastructure (2024)	174.7
Purchase Tools and Equipment Less than \$50,000 (2024) - Telecontrol	45.6
Replace SONET Multiplexors (2024)	430.4
Update Cyber Security Infrastructure (2024)	281.3
Minor Telecommunications Enhancements (2024)	96.9
Replace CCTV Cameras (2024)	317.6
General Property Rehabilitation (2024) - Hydro Place	234.0
Upgrade HVAC Supervisory Controllers (2024) - Hydro Place	149.6
Upgrade SCADA Network (2024)	402.3
<b>General Plant Total</b>	<b>6,063.5</b>

**Mandatory**

Refurbish Fuel Oil Storage Tank 4 (2024) - Holyrood	1,920.0
<b>Mandatory Total</b>	<b>1,920.0</b>

**Newfoundland and Labrador Hydro**  
**2024 Capital Budget Application**  
**Single-Year Projects**  
**(\$000)**

**Renewal**

Thermal In-Service Failures (2024)	3,508.7
Terminal Station In-Service Failures (2024)	1,300.0
Gas Turbine In-Service Failures (2024)	358.0
Transmission In-Service Failures (2024)	158.5
Penstock Level II Condition Assessment (2024) - Upper Salmon	382.8
Hydraulic In-Service Failures (2024)	1,500.0
Distribution System In-Service Failures, Miscellaneous Upgrades, and Street Lights (2024)	4,345.4
Overhaul Diesel Units (2024)	829.2
Diesel In-Service Failures (2024)	488.3
Replace 48 V Battery Banks and Chargers (2024)	422.2
Purchase Mobile Devices (2024)	155.6
Upgrade Remote Terminal Units (2024)	165.9
Overhaul Hydraulic Units (2024)	323.8
Replace Timber Crib and Insulation (2024) - Burnt Dam Spillway	161.8
Boiler Condition Assessment and Miscellaneous Upgrades (2024) - Holyrood	3,957.8
Overhaul Unit 1 Turbine Valves and Generator (2024) - Holyrood	5,181.4
Overhaul Pumps (2024) - Holyrood	661.0
Overhaul Marine Terminal Loading Arms (2024) - Holyrood	511.0
Inspect Fuel Tanks (2024) - Hardwoods Gas Turbines	692.9
Wood Pole Line Management (2024)	3,765.2
Telecommunications In-Service Failure (2024)	91.4

**Renewal Total**

**28,960.9**

**Service Enhancement**

Remove Safety Hazards (2024)	198.3
Install Anemometer (2024) - Cat Arm	68.6

**Service Enhancement Total**

**266.9**

**Total Capital Budget**

**42,954.0**

Newfoundland and Labrador Hydro  
2024 Capital Budget Application  
Multi-Year Projects  
(\$000)

	2023 and Prior Years	2024	2025	2026	2027	2028	Sum of Total With Prior Year
<b>Multi-Year Projects Commencing in 2021</b>							
<b>Renewal</b>							
Returbish Ebbegunbaeg Control Structure	9,945.2	2,781.6	4,952.2				17,679.0
<b>Renewal Total</b>	<b>9,945.2</b>	<b>2,781.6</b>	<b>4,952.2</b>				<b>17,679.0</b>
<b>System Growth</b>							
Wabush Terminal Station Upgrades	8,870.1	3,808.0					12,678.1
Additions for Load - Wabush Substation Upgrades	7,439.7	2,739.9	514.5				10,694.1
<b>System Growth Total</b>	<b>16,309.8</b>	<b>6,547.9</b>	<b>514.5</b>				<b>23,372.2</b>
<b>Total Multi-Year Projects Commencing in 2021</b>	<b>26,255.0</b>	<b>9,329.5</b>	<b>5,466.7</b>				<b>41,051.2</b>
<b>Multi-Year Projects Commencing in 2022</b>							
<b>General Plant</b>							
Purchase 85' Material Handler Aerial Device on Track Unit	1,286.1	67.8					1,353.9
Purchase 46' Material Handler Aerial Device on Track Unit	719.2	38.8					758.0
Replace Light- and Heavy-Duty Vehicles (2022-2024)	1,162.2	2,319.6					3,481.8
<b>General Plant Total</b>	<b>3,167.5</b>	<b>2,426.2</b>					<b>5,593.7</b>
<b>Renewal</b>							
Diesel Genset Replacement Unit 2012 - L'Anse-Au-Loup	2,853.1	210.2					3,063.3
Diesel Genset Replacement Unit 2039 - St. Lewis	1,980.8						1,980.8
<b>Renewal Total</b>	<b>4,833.9</b>	<b>210.2</b>					<b>5,044.1</b>
<b>Service Enhancement</b>							
Replace Metering System	4,881.2	994.6					5,875.8
<b>Service Enhancement Total</b>	<b>4,881.2</b>	<b>994.6</b>					<b>5,875.8</b>
<b>Total Multi-Year Projects Commencing in 2022</b>	<b>12,882.6</b>	<b>3,631.0</b>					<b>16,513.6</b>
<b>Multi-Year Projects Commencing in 2023</b>							
<b>General Plant</b>							
Install Fire Protection in 230 KV Stations (2023-2024) - Deer Lake	79.2	535.3					614.5
Replace Light- and Heavy-Duty Vehicles (2023-2025)	1,308.1	2,584.6	473.3				4,366.0
Water System Condition Assessment and Upgrades (2023) - Bay d'Espoir	161.0	504.9					665.9
Replace Building Exterior (2023-2024) - Postville	124.6	558.7					683.3
Replace HVAC System (2023-2024) - Bishop's Falls	43.4	128.8					172.2
Upgrade Water and Fire Suppression Systems (2023-2024) - Bishop's Falls	353.7	2,886.3					3,240.0
Replace Diesel Shop Building (2023-2025) - Bishop's Falls	168.0	1,254.1	889.9				2,312.0
Replace Mobile Equipment (2023-2024)	541.2	187.3					728.5
<b>General Plant Total</b>	<b>2,779.2</b>	<b>8,640.0</b>	<b>1,363.2</b>				<b>12,782.4</b>
<b>Mandatory</b>							
Replace Terminal Station Lighting (2023-2024)	323.3	594.1					917.4
<b>Mandatory Total</b>	<b>323.3</b>	<b>594.1</b>					<b>917.4</b>

**Newfoundland and Labrador Hydro**  
**2024 Capital Budget Application**  
**Multi-Year Projects**  
**(\$000)**

	2023 and Prior Years					2024	2025	2026	2027	2028	Sum of Total With Prior Year
<b>Renewal</b>											
Terminal Station Renewal Program (2023-2024)	1,733.7					5,584.5					7,318.2
Circuit Breakers Renewal Program (2023-2024)	216.9					3,595.1					3,812.0
Install Breaker Failure Protection (2023-2024) - Sunnyside	73.5					216.2					289.7
Diesel Genset Replacement Program (2023-2025)	819.1					1,740.0	1,883.1	250.0			3,126.2
Replace Diesel Genset 1 (2023-2024) - Ebbegunbaeg	298.0					728.3					1,026.3
Refurbish Superstructure (2023-2024) - Salmon River Spillway	328.3					2,500.0					2,828.3
Replace Powerhouse Station Service Panel (2023-2024) - Upper Salmon	591.8					976.7					1,568.5
Replace Oil Mist Separator (2023-2024) - Happy Valley Gas Turbine	138.5					262.1					400.6
Major Condition Assessment and Miscellaneous Refurbishments Synchronous Condenser 1 and 2 (2023-2024) - Wabush Terminal Station	577.2					516.1					1,093.3
Replace Data Alarm System Annunciators (2023) - Buchans	61.2					104.8					166.0
Replace Circuit Breaker Reclosing Controllers (2023-2024) - Hardwoods	81.6					149.6					231.2
Replace Intermediate Fuel Storage Tanks (2023-2024) - Nain	127.4					593.7					721.1
Replace Power Line Carrier (2023-2024) - TL223 and TL224	105.3					852.4					957.7
<b>Renewal Total</b>	<b>5,152.5</b>					<b>16,253.5</b>	<b>1,883.1</b>	<b>250.0</b>			<b>23,539.1</b>
<b>Service Enhancement</b>											
Upgrade of Worst-Performing Distribution Feeders (2023-2024)	73.4					1,372.6					1,446.0
Install Oil Spill Containment Transformer T1S (2023-2024) - Cat Arm	155.1					426.5					581.6
<b>Service Enhancement Total</b>	<b>228.5</b>					<b>1,799.1</b>					<b>2,027.6</b>
<b>System Growth</b>											
Additions for Load Growth - Upgrade Transformer Capacity (2023-2024) - Jean Lake Terminal Station	580.0					-	5,436.1				6,016.1
<b>System Growth Total</b>	<b>580.0</b>					<b>-</b>	<b>5,436.1</b>				<b>6,016.1</b>
<b>Total Multi-Year Projects Commencing in 2023</b>	<b>9,063.5</b>					<b>27,286.7</b>	<b>8,682.4</b>	<b>250.0</b>			<b>45,282.6</b>
<b>Multi-Year Projects Commencing in 2024</b>											
<b>General Plant</b>											
Replace Powerhouse 1 Air Conditioning Unit (2024-2025) - Bay d'Esprit						57.8	231.2				289.0
Refurbish Control Building (2024-2025) - Grandy Brook and Doyles						109.4	444.7				554.1
Install Fire Protection in 230 kV Stations (2024-2025) - Voisey's Bay						53.8	599.0				652.8
Replace MDR8000 Microwave Radios (2024-2025)						953.5	500.3				1,453.8
Replace Powerhouse 1 Roof (2024-2025) - Bay d'Esprit						140.2	1,819.2				1,959.4
Refurbish Outbuilding and Powerhouse Building Envelopes (2024-2025) - Holyrood						156.2	1,039.4				1,195.6
Replace Light- and Heavy-Duty Vehicles (2024-2026)						1,479.1	4,148.8	8.4			5,636.3
Replace Mobile Equipment (2024-2025)						216.9	599.7				816.6
Replace VHF Radio System (2024-2025)						1,261.6	290.6				1,552.2
Purchase 50' Material Handler Aerial Device on Tracked Unit (2024-2026) - Happy Valley Goose Bay						24.0	841.8	7.1			872.9
<b>General Plant Total</b>						<b>4,452.5</b>	<b>10,514.7</b>	<b>15.5</b>			<b>14,982.7</b>
<b>Mandatory</b>											
Upgrade Station Lighting (2024-2025) - Bottom Waters, Deer Lake, Doyles, Indian River, and Western Avalon Terminal Stations						91.6	429.0				520.6
<b>Mandatory Total</b>						<b>91.6</b>	<b>429.0</b>				<b>520.6</b>

Newfoundland and Labrador Hydro  
2024 Capital Budget Application  
Multi-Year Projects  
(\$000)

	2023 and Prior Years					Sum of Total With Prior Year
	2024	2025	2026	2027	2028	
<b>Renewal</b>						
Replace Power Line Carrier (2024-2025) - TL247	87.2	667.4				754.6
Replace Annunciator - Phase 2 (2024-2025) - Bay d'Espoir	294.1	187.5				481.6
Replace Instrument Transformers (2024-2025)	154.9	714.8				869.7
Replace Protective Relays (2024-2025)	1,388.4	2,050.7				3,439.1
Replace Disconnects (2024-2025)	127.4	1,358.1				1,485.5
Upgrade Power Transformers (2024-2025)	864.6	2,711.3				3,575.9
Replace Terminal Station Battery Banks and Chargers (2024-2025)	71.8	120.9				192.7
Replace Annunciator Panels (2024-2025) - Cat Arm	160.2	191.2				351.4
Flatten Downstream Slope (2024-2025) - Hinds Lake	276.1	2,953.4				3,229.5
Refurbish Surge Tank 1 (2024-2025) - Bay d'Espoir	175.8	2,111.4				2,287.2
Upgrade UPS 1 & 2 (2024-2025) - Holyrood	263.0	107.6				370.6
Upgrade Unit 1 Control System (2024-2025) - Holyrood	468.3	184.3				652.6
Upgrade DCS Hardware - Units 1 and 2 (2024-2025) - Holyrood	195.2	277.3				472.5
Renew Circuit Breakers (2024-2025)	183.9	2,779.3				2,963.2
Upgrade Data Alarm Systems (2024-2025) - Western Avalon Terminal Station	137.0	156.9				293.9
Replace Circuit Breaker Reclosing Controllers (2024-2025) - TL247	112.4	215.8				328.2
Renew Distribution Feeders (2024-2025)	1,287.3	1,245.1				2,532.4
Upgrade Distribution (2024-2025) - Bay d'Espoir Terminal Station 2	93.2	331.5				424.7
Refurbish Intake 1 (2024-2025) - Bay d'Espoir	272.1	3,071.9				3,344.0
Replace Diesel Gensets (2024-2026)	535.8	478.0	3,902.3			4,916.1
<b>Renewal Total</b>	<b>7,148.7</b>	<b>21,914.4</b>	<b>3,902.3</b>			<b>32,965.4</b>
<b>Service Enhancement</b>						
Construct Maintenance Platform (2024-2025) - Holyrood Gas Turbine	130.5	228.7				359.2
Automate Bulk Metering (2024-2026)	302.6	214.4	235.3			752.3
Upgrade Instrumentation (2024-2025) - Hardwoods Gas Turbine	60.9	157.2				218.1
Upgrade Worst-Performing Distribution Feeders (2024-2025)	1,064.3	2,227.4				3,291.7
<b>Service Enhancement Total</b>	<b>1,558.3</b>	<b>2,827.7</b>	<b>235.3</b>			<b>4,621.3</b>
<b>Total Multi-Year Projects Commencing in 2024</b>	<b>13,251.1</b>	<b>35,685.8</b>	<b>4,153.1</b>			<b>53,090.0</b>
<b>Total Capital Projects</b>	<b>48,201.1</b>	<b>53,498.3</b>	<b>49,834.9</b>	<b>4,403.1</b>		<b>155,937.4</b>