

1     Q.     **H-1, Volume I: Capital Expenditures 2010-2019. As per page H-1 the 2014 budget**  
2           **amounts for Generation and Transmission and Rural Operations is \$144,087,000**  
3           **and \$126,387,000 respectively yet in the 2015 Capital Plan, Appendix A, page A2,**  
4           **the budget amounts Expended to 2014 for Generation and Transmission and Rural**  
5           **Operations is \$111,096,200 and \$59,127,700 respectively.**

6           Please list the anticipated projects and amounts under these categories for 2014  
7           that are not included in the 2015 Capital Plan, Appendix A listing.

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10    A.     Please see PUB-NLH-041 Attachment 1 for the 2014 Generation projects not  
11           included in the 2015 Capital Plan, Appendix A and PUB-NLH-042 Attachment 2 for  
12           the 2014 Transmission & Rural Operations projects not included in the 2015 Capital  
13           Plan, Appendix A.

2014 Generation Projects not included in Expended to in 2015 Capital Plan (\$,000)	2014 Expenditures
Automated Fuel Monitoring System at West Salmon Spillway - Bay d'Espoir	193.2
Replace Turbine/Generator Cooling Water Flow Meters-Upper Salmon	139.7
Replace Engine on Emergency Lift System - West Salmon Spillway	67.1
Raise Height of Earth Dam - Paradise River	98.7
Upgrade Shoreline Protection - Cat Arm	55.3
Replace Generator Bearing Coolers Units 4 and 5 - Bay d'Espoir	199.0
Rewind Stator Unit 3 - Bay d'Espoir	4,343.9
Upgrade North Cut-Off Dam Access Road - Bay d'Espoir	631.7
Refurbish Surge Tank 3 - Bay d'Espoir	2,265.0
Automate Generator Deluge Systems Units 3 and 6 - Bay d'Espoir	612.0
Upgrade Victoria Control Structure - Bay d'Espoir	495.1
Upgrade Public Safety Around Dams and Waterways - Bay d'Espoir	352.8
Replace Automatic Greasing Systems Units 5 and 6 - Bay d'Espoir	233.4
Replace Fall Arrest on Surge Tank 1 - Bay d'Espoir	142.8
Overhaul Turbine/Generator Units - Bay D'Espoir and Hinds Lake	485.0
Purchase Tools and Equipment Less than \$ 50,000	87.0
Blackstart Capability Upgrade - Holyrood	1,263.4
Upgrade Intake Gate Controls - Bay d'Espoir	232.6
Replace Automatic Transfer Switches - Hinds Lake	32.6
Install Automatic Fuel Monitoring System - Upper Salmon	96.0
Replace Stator Windings Units 1, 3 and 4 - Bay d'Espoir	3,389.0
Automate Generator Deluge Systems - Bay d'Espoir	55.4
Upgrade Units 1 to 6 By-Pass Valves - Bay d'Espoir	129.4
Upgrade Generator Bearings - Bay d'Espoir	451.3
Upgrade Burnt Dam Spillway - Bay d'Espoir	647.7
Purchase Low Pressure Screw Compressor Set - Bay d'Espoir	15.3
Replace Cooling Water Pumps - Bay d'Espoir	86.9
Replace Units 1 to 6 Auto Greasing Systems - Bay d'Espoir	70.2
Overhaul Turbine/Generator Unit 2 - Holyrood	5,147.0
Overhaul Boiler Feed Pump East Unit 3 - Holyrood	194.9
Upgrade Underground Plant Drainage System - Holyrood	112.6
Overhaul Cooling Water Pump East Unit 1- Holyrood	98.4
Overhaul Extraction Pump South Unit 1 - Holyrood	96.8
Replace Continuous Opacity Monitors - Holyrood	49.3
Complete Condition Assessment Phase 2 - Holyrood	1,476.8
Upgrade Plant Elevators - Holyrood	533.2
Upgrade Vibration Monitoring System - Holyrood	524.9
Replace DC Distribution Panels and Breakers - Holyrood	174.2
Upgrade Waste Water Basin Building - Holyrood	136.7
Purchase Tools and Equipment Less than \$ 50,000	59.2

<b>2014 Generation Projects not included in Expended to in 2015 Capital Plan (\$,000)</b>	<b>2014 Expenditures</b>
Install Variable Frequency Drives on Forced Draft Fans - Holyrood	3,137.5
Purchase Insulating Blanket - Stephenville Gas Turbine	35.0
Purchase Insulating Blanket - Hardwoods Gas Turbine	35.0
Upgrade Hydrogen System - Holyrood	105.3
Overhaul Extraction Pumps - Holyrood	108.7
Replace Condensate Polisher Annunciator Panels - Holyrood	39.5
Upgrade Gas Turbine Plant Life Extension - Stephenville	2,995.0
Upgrade Gas Turbine PLC - Happy Valley	1,165.1
Allowance for Unforeseen allocated to Generation	<u>530.0</u>
<b>Total 2014 Projects not included in Expended to in 2015 Capital Plan</b>	<b><u>33,626.6</u></b>
<b>2014 Generation Projects included in Expended to in 2015 Capital Plan (\$,000)</b>	<b>2014 Expenditures</b>
Replace Excitation Transformers - Bay d'Espoir	636.7
Replace Air Compressor - Holyrood	247.6
Upgrade Burnt Dam Spillway - Bay d'Espoir	110.2
Upgrade Generator Bearings Unit 2 - Bay d'Espoir	18.9
Replace Spherical By Pass Valve Assemblies Units 1 and 2 - BDE	57.5
Install Handheld Pendant to Overhead Crane - Bay d'Espoir	49.9
Replace Economizer Inlet Valves - Holyrood	192.0
Install Cold-Reheat Condensate Drains and High Pressure Heater Trip Level Unit 3 - Holyrood	49.8
Install Fire Protection Upgrades - Holyrood	56.6
100 MW (Nominal) Combustion Turbine Addition - Holyrood	<u>109,677.0</u>
<b>2014 Projects included in Expended to in 2015 Capital Plan, Appendix A</b>	<b><u>111,096.2</u></b>
<b>Total 2014 Generation Projects</b>	<b>144,722.8</b>
<b>Total 2014 Generation Projects as per Section H</b>	<b>144,087.0</b>
<b>Difference due to Replace Excitation Transformers - Bay d'Espoir (classified as Transmission &amp; Rural Operations in Section H)</b>	<b>(636.7)</b>
<b>Other</b>	<b>0.9</b>

<b>Transmission &amp; Rural Operations</b>	<b>2014</b>
<b>2014 Projects not included in Expended to in 2015 Capital Plan (\$,000)</b>	<b>Expenditures</b>
Replace Surge Arrestors - Various Sites	181.9
Upgrade Power Transformers - Various Sites	1,904.4
Upgrade Terminal Station Foundations - Various Sites	197.9
Replace Insulators - Various Sites	402.9
Increase 230 kV Transformer Capacity - Oxen Pond	18,980.4
Upgrade Terminal Station - Wiltondale	1,726.3
Replace Compressed Air System - Various Sites	2,553.6
Install Online Vibration Monitoring System	
- Corner Brook Frequency Converter	327.6
Perform Wood Pole Line Management Program - Various Sites	2,564.2
Replace Guy Wires TL-215 - Doyles to Grand Bay	496.6
Replace Insulators - TL201 and TL203	3,632.2
Provide Service Extensions - All Service Areas	6,290.0
Provide Service Extensions - All Service Areas - CIAC	(120.0)
Upgrade Distribution Systems - All Service Areas	3,422.0
Upgrade Distribution Systems - All Service Areas - CIAC	(52.0)
Upgrade Distribution Systems - Various Sites	3,934.4
Increase Generation - Mary's Harbour	496.0
Voltage Conversion - Labrador City	(199.7)
Overhaul Diesel Units - Various Sites	823.5
Construct Storage Facility - Postville	183.8
Inspect Fuel Storage Tanks - Various Sites	495.0
Upgrade Ventilation System - Ramea	263.0
Replace Fuel Storage Tank - Ramea	234.2
Additions To Accommodate Load Growth - Hopedale	641.2
Additions for Load Isolated Generation Stations-Variou Sites	10,173.9
Replace Generator Unit 2073 - Port Hope Simpson	43.3
Replace Mini Hydro Turbine - Roddicton	232.2
Replace Tap Changer on T5 Transformer - Waverly	1,452.5
Install Fall Protection Equipment - Various Sites	199.2
Install Additional Washrooms - Various Sites	251.0
Legal Survey of Primary Distribution Line Right of Ways	196.2
Purchase Meters, Equipment and Metering Tanks - Various Sites	199.0
Purchase 10 Position Meter Calibration Test Console - Hydro Place	192.5
Install Automatic Meter Reading - Various Sites (2013-2014)	272.6
Purchase Portable Vibration Testing Equipment - Various Sites	60.6
Replace Light Duty Mobile Equipment - Various Sites	579.1
Replace Excavator - St. Anthony	110.0

<b>Transmission &amp; Rural Operations</b>	<b>2014</b>
<b>2014 Projects not included in Expended to in 2015 Capital Plan (\$,000)</b>	<b>Expenditures</b>
Purchase Track Mounted Backyard Radial Boom Derrick - Bishop Falls	158.7
Replace Off Road Track Vehicles - Various Sites (2013 - 2014)	1,146.2
Upgrade Distribution Systems - Various Sites (2014 - 2015) (completed in 2014)	2,129.6
Tools and Equipment Less than \$ 50,000	604.7
Allowance for Unforeseen allocated to Transmission & Rural Operations	<u>864.0</u>
<b>Total 2014 Projects not included in Expended to in 2015 Capital Plan</b>	<b><u>68,244.7</u></b>
 <b>Transmission &amp; Rural Operations</b>	 <b>2014</b>
<b>2014 Projects included in Expended to in 2015 Capital Plan (\$,000)</b>	<b>Expenditures</b>
Construct 230 kV Transmission Line - Bay d'Espoir to Western Avalon	2,412.6
Voltage Conversion - Labrador City	809.9
Replace Transformer - Sunnyside	7,197.8
Perform Grounding Upgrades - Various Sites	1,311.3
Replace Instrument Transformers - Various Sites	1,146.0
Upgrade Circuit Breakers - Various Sites	3,695.4
Replace Disconnect Switches - Various Sites	815.9
Replace Optimho Relays on TL203 - Western Avalon to Sunnyside	89.1
Refurbish Anchors and Footings TL202 and TL206 - Bay d'Espoir to Sunnyside	1,191.7
Replace Recloser Control Panels - Various Sites	111.3
Upgrade Distribution Systems - Various Sites (2014/2015)	370.2
Perform Arc Flash Remediation - Various Sites	1,602.6
Install Fire Protection System - Nain	107.1
Upgrade Diesel Plant Production Data Collection Equipment-Various	268.9
Labrador West Transmission Project - Construction Phase	37,484.2
Install Automatic Meter Reading - Various Sites (2014-2015)	356.9
Legal Survey of Primary Distribution Line Right of Ways	<u>156.8</u>
<b>Total 2014 Projects included in Expended to in 2015 Capital Plan</b>	<b><u>59,127.7</u></b>
 <b>Subtotal 2014 Transmission &amp; Rural Operations</b>	 <b>127,372.4</b>
<b>Remove Expended to Amounts previous to 2014:</b>	
Perform Grounding Upgrades - Various Sites	(1,035.5)
Replace Instrument Transformers - Various Sites	(240.3)
Perform Arc Flash Remediation - Various Sites	<u>(345.0)</u>
<b>Total 2014 Transmission &amp; Rural Operations</b>	<b>125,751.6</b>
<b>Total 2014 Transmission &amp; Rural Operations as per Section H</b>	<b>126,387.0</b>
<b>Difference due to Replace Excitation Transformers - Bay d'Espoir (classified as Transmission &amp; Rural Operations in Section H)</b>	<b>636.7</b>
<b>Other</b>	<b>(1.3)</b>