

1 Q. Please complete the following table listing all of Hydro’s supplemental capital projects approved
2 over the period 2009 to 2018:

Table1: Supplemental Capital Projects 2009–2018

Year	Board Order	Project Description	Approved Budget	Actual Expenditure

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Table1: Supplemental Capital Projects 2009–2018 (\$000)

Year	Order	Project Description	Approved Budget	Actual Expenditure
2018	P.U. 1(2018)	Provide Service to Western Regional Service Board’s Waste Transfer Site – Hampden	748.4	0 ¹
2018	P.U. 6(2018)	Provide Voltage Conversion of the Distribution Feeder VA26 – Labrador City	719.4	654.7 ²
2018	P.U. 23(2018)	Penstock Condition Assessments – Bay d’Espoir	1,120.6	1,906.3 ³
2018	P.U. 25(2018)	Improve Boiler Capacity – Holyrood	2,560.5	1,665.9
2018	P.U. 33(2018)	Mary’s Harbour Hydro Integration	195.5	0 ⁴
2018	P.U. 34(2018)	Gang Switch – Happy Valley-Goose Bay	195.4	85.2
2018	P.U. 38(2018)	TL 226 and TL 239 Reroute	712.3	932.4 ⁵
2017	P.U. 5(2017)	Additions for Load Growth – Bottom Waters	3,045.0	3,024.8
2017	P.U. 7(2017)	Acquisition of two 230 kV Transmission Lines – Labrador West	3,168.9	2,913.1
2017	P.U. 10(2017)	Exciter Controls Replacement – Holyrood	1,349.2	1,339.9

¹ Cost recovered under the Contribution in aid of Construction (“CIAC”) Policy.

² Includes approximately \$50,400 recovered under the CIAC Policy.

³ Forecast.

⁴ Cost recovered, customer requested project.

⁵ Forecast.

Year	Order	Project Description	Approved Budget	Actual Expenditure
2017	P.U. 11(2017)	Terminal Station Upgrades – Wabush	2,585.2	1,962.1
2017	P.U. 13(2017)	Penstock 2 Refurbishment – Bay d’Espoir	9,063.7	3,586.3
2017	P.U. 13(2017)	Unit 3 Turbine Overhaul – Bay d’Espoir	2,361.5	1,905.4
2017	P.U. 20(2017)	Reliability Improvements – Holyrood	2,610.0	3,883.9
2017	P.U. 21(2017)	Repair and Advanced Overhaul of the Happy Valley Gas Turbine	3,714.8	2,049.3
2016	P.U. 17(2016) P.U. 23(2016)	Purchase of 12 MW Diesel Generation – Holyrood	4,700.0	4,959.3
2016	P.U. 19(2016)	Upgrade Units 1 and 2 Lower Reheaters – Holyrood	11,800.0	11,734.4
2016	P.U. 20(2016)	TL 227 Distribution Line – Sally’s Cove L1	2,250.0	1,894.5
2016	P.U. 22(2016)	Refurbish Gas Generator Engines – Hardwoods and Stephenville	3,047.1	2,968.3
2016	P.U. 28(2016)	Unit 4 Turbine Primary Seal Clearance – Bay d’Espoir	1,977.3	1,517.9
2016	P.U. 37(2016)	Purchase Wabush Terminal Station	490.0	464.1
2016	P.U. 40(2016)	CT – Combustion Inspection and Overhaul – Holyrood	4,738.3	3,967.2
2015	P.U. 24(2015)	Purchase Critical Spares – Generation Stations	1,536.3	1,226.4
2015	P.U. 27(2015)	Replace Rectifier Transformers – Holyrood	756.2	870.4
2015	P.U. 29(2015)	Hardwoods Gas Turbine Engine Refurbishment	1,249.3	1,252.1
2015	P.U. 31(2015)	Internal Assessment and Repair of Transformer VBN T1	500.1	345.5
2014	P.U. 16(2014)	100MW Combustion Turbine Addition – Holyrood	109,677.0	128,496.8
2014	P.U. 29(2014)	Transformer T1 Replacement – Sunnyside	8,464.2	4,786.4
2014	P.U. 32(2014)	Western Avalon Transformer T5 Upgrade	1,452.5	1,013.9
2014	P.U. 33(2014)	Transmission Lines TL 201/TL 203 Insulator Replacement	3,632.2	3,048.4
2014	P.U. 34(2014)	Excitation Transformers Replacement – Bay d’Espoir	996.7	1,040.6
2014	P.U. 36(2014)	Transformer Capacity Addition – Wabush Substation	958.8	867.6
2014	P.U. 38(2014)	Replace Unit 1 Air Compressor – Holyrood	320.6	319.4
2014	P.U. 46(2014)	Purchase of Critical Spares – Holyrood	491.8	491.8

Year	Order	Project Description	Approved Budget	Actual Expenditure
2014	P.U. 53(2014)	230kV Transmission Line – Bay d’Espoir to Western Avalon	291,658.0	287,658.0 ⁶
2013	P.U. 1(2013)	Refurbish Stop Logs – Burnt Dam Spillway	284.1	236.5
2013	P.U. 12(2013)	Refurbish Marine Terminal – Holyrood	5,198.0	2,023.7
2013	P.U. 14(2013)	Restore Unit 1 – Holyrood	12,809.7	9,039.5
2013	P.U. 15(2013)	Increase 230kV Transformer Capacity – Oxen Pond	19,134.0	20,008.0
2013	P.U. 20(2013)	Replace Alternator – Hardwoods	8,015.8	7,058.2
2013	P.U. 33(2013)	Replace Breaker – Hinds Lake	388.7	393.9
2013	P.U. 39(2013)	Purchase Equipotential Bonding and Grounding Equipment	158.3	95.4
2012	P.U. 24(2012)	Upgrade Access Road – Cat Arm	492.1	233.6
2012	P.U. 25(2012)	Gas Turbine Alternator Rewind – Stephenville	5,192.6	5,699.7
2012	P.U. 26(2012)	Increase Generation – Mary’s Harbour	1,616.5	1,241.4
2012	P.U. 27(2012)	Upgrade Dam – Cat Arm	3,155.0	1,188.5
2012	P.U. 35(2012)	Replace Penthouse Roof – Hydro Place	199.7	162.9
2011	P.U. 20(2011)	Upgrade Stack Breeching Unit 1 – Holyrood	133.7	272.0
2010	P.U. 16(2010)	Long Harbour Terminal Station and TL 208 Extension	14,800.0	0 ⁷
2010	P.U. 26(2010)	Replace Fuel Tank – Bay d’Espoir Campsite	120.4	113.0
2010	P.U. 29(2010)	Replace Unit 565 – Little Bay Islands	467.9	470.0
2010	P.U. 34(2010)	Confined Space Isolation – Holyrood	1,804.3	1,468.5
2009	P.U. 4(2009)	Replacement of Power Transformer – Wiltondale Terminal Station	351.0	70.0
2009	P.U. 8(2009)	Replace Programmable Logic Controllers – Holyrood	1,092.9	877.0
2009	P.U. 10(2009)	Upgrade Continuous Emission Monitoring System – Holyrood	703.7	621.0
2009	P.U. 16(2009)	Hydro Place Parking Lot Extension	93.0	0
2009	P.U. 23(2009)	Work Protection Code eLearning Program	160.8	142.0 ⁸
2009	P.U. 28(2009)	Condition Assessment and Life Extension Study – Holyrood	1,895.0	1,744.0
2009	P.U. 31(2009)	Nain Diesel Plant Rehabilitation	2,804.7	2,279.0

⁶ Forecast.

⁷ Cost recovered, specifically assigned.

⁸ Reduced by approximately \$66,000 for cost recovery, shared service.

Year	Order	Project Description	Approved Budget	Actual Expenditure
2009	P.U. 33(2009)	Gas Turbine Refurbishment – Stephenville	2,086.2	1,269.0
2009	P.U. 34(2009)	Hinds Lake Powerhouse Slope Stabilization	1,136.0	1,201.0
2009	P.U. 40(2009)	Microwave Replacement – Godaleich Hill	196.5	120.0