

1 Q. **Volume II, Exhibit 11: Depreciation Study**

2 Are there additional Holyrood assets acquired since December 31, 2015 that Hydro
3 intends to depreciate on an accelerated basis using the March 31, 2021 truncation
4 date methodology? If so, please provide a listing of these assets, along with their
5 original cost and any impact on revenue requirement for 2018 test year and 2019
6 test year. (Volume II
7 (1st Revision), Exhibit 11: Depreciation Study, Pages 45-52 of 628, Tables 1A and 1B)

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10 A. Please refer to NP-NLH-147¹, Attachment 1 and Attachment 2 for listing of Holyrood
11 assets acquired since December 31, 2015 that Hydro intends to depreciate on an
12 accelerated basis using the March 31, 2021 truncation date.

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14 The following table outlines the impact on revenue requirement for the 2018 and
15 2019 Test Years.

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¹ Holyrood accelerated assets incorrectly included a combustor asset with the March 31, 2021 truncation date. The overall impact is an understatement of depreciation expense in the 2019 Test Years of \$0.8 million. Table 1 has been updated to reflect the updated revenue requirement. Hydro will correct the depreciation error in the 2019 Test Year in its compliance filing.

Table 1 Total Revenue Requirement (\$000s)

	<u>Test Year</u>	<u>Test Year</u>
	2018	2019
Opening Net Book Value	7,858	11,946
Closing Net Book Value	11,946	8,379
Average Rate	9,902	10,163
Base		
Return %	5.73%	5.68%
Return	567	577
Depreciation	2,901	5,425
Total Revenue Requirement	3,468	6,002

AssetID	Description	Original Cost	2017 Closing NBV	2018 Additions	Dep. Expense	Closing 2018 NBV
2016 400439	U1 Rectifying Transformer	435,163.18	307,174.03		102,391.34	204,782.69
400440	U2 Rectifying Transformer	435,163.19	307,174.04		102,391.35	204,782.69
400663	Reheat Tubing	-	(0.06)		(0.02)	(0.04)
401124	Tank #1 Inspection	24,356.83	16,237.93		5,412.64	10,825.29
401125	Ingersoll Rand Air Comp. #2	352,033.48	258,636.80		86,212.27	172,424.53
403164	U1 Boiler Condition Assessment	234,688.99	172,424.58		57,474.86	114,949.72
403165	U2 Boiler Condition Assessment	234,688.99	172,424.58		57,474.86	114,949.72
403166	U3 Boiler Condition Assessment	234,688.99	172,424.58		57,474.86	114,949.72
403169	U1 DC Lube Oil Motor Starter	234,688.99	172,424.58		57,474.86	114,949.72
403170	U2 DC Lube Oil Motor Starter	234,688.99	172,424.58		57,474.86	114,949.72
403348	Capstan Gear Box	234,688.99	229,899.42		76,633.14	153,266.28
403543	V2924, 16 F150 EXT CAB 4X4	29,122.32	21,321.72		6,560.53	14,761.19
404258	U2 East CW Pump Overhaul	207,404.35	149,331.09		49,777.03	99,554.06
404259	U2 North Ext. Pump Overhaul	139,355.53	100,335.99		33,445.33	66,890.66
404260	U1 W Boiler Feed Pump Overhaul	185,556.70	133,600.86		44,533.62	89,067.24
2016 Total		3,216,289.52	2,385,834.72		794,731.53	1,591,103.19
2017 P03229	HRD Holyrood Plant Common	323,900.00	244,577.58		79,322.46	165,255.12
P04608	HRD Holyrood Unit #3	210,800.00	205,102.70		68,367.57	136,735.13
P04609	HRD Holyrood Unit #3	142,900.00	139,037.84		46,345.95	92,691.89
P04610	HRD Holyrood Unit #2	279,300.00	271,751.35		90,583.78	181,167.57
P04611	HRD Holyrood Unit #2	2,302,100.00	2,239,881.08		746,627.03	1,493,254.05
P04620	HRD Holyrood Plant Common	2,437,300.00	2,371,427.03		790,475.68	1,580,951.35
2017 Total		5,696,300.00	5,471,777.58		1,821,722.47	3,650,055.12
2018 P04182	Upgrade Powerhouse Building Envelope	784,100.00		784,100.00	62,728.00	721,372.00
P04782	2018 - Overhaul Turbine Valves - Unit 1	3,490,300.00		3,490,300.00	124,653.57	3,365,646.43
P04783	2018 - Overhaul Vacuum Pump - Unit 2 South	93,100.00		93,100.00	3,325.00	89,775.00
P04785	2018 - Overhaul Boiler Feed Pump - Unit 2 East	354,100.00		354,100.00	12,646.43	341,453.57
P04787	Cond. Assess. & Misc. Upgrades - HRD	2,267,400.00		2,267,400.00	80,978.57	2,186,421.43
2018 Total		6,989,000.00		6,989,000.00	284,331.57	6,704,668.43
Grand Total		15,901,589.52	7,857,612.30	6,989,000.00	2,900,785.57	11,945,826.74

NL Hydro
2019 Test Year
Depreciation Expense

Start Depr	AssetID	Description	Original Cost	Closing 2018 NBV	2019 Additions	Dep. Expense	Closing 2019 NBV
2016	400439	U1 Rectifying Transformer	435,163.18	204,782.69		91,014.53	113,768.16
	400440	U2 Rectifying Transformer	435,163.19	204,782.69		91,014.53	113,768.16
	400663	Reheat Tubing	-	(0.04)		(0.02)	(0.02)
	401124	Tank #1 Inspection	24,356.83	10,825.29		4,811.24	6,014.05
	401125	Ingersoll Rand Air Comp. #2	352,033.48	172,424.53		76,633.13	95,791.41
	403164	U1 Boiler Condition Assessment	234,688.99	114,949.72		51,088.76	63,860.96
	403165	U2 Boiler Condition Assessment	234,688.99	114,949.72		51,088.76	63,860.96
	403166	U3 Boiler Condition Assessment	234,688.99	114,949.72		51,088.76	63,860.96
	403169	U1 DC Lube Oil Motor Starter	234,688.99	114,949.72		51,088.76	63,860.96
	403170	U2 DC Lube Oil Motor Starter	234,688.99	114,949.72		51,088.76	63,860.96
	403348	Capstan Gear Box	234,688.99	153,266.28		68,118.35	85,147.93
	403543	V2924, 16 F150 EXT CAB 4X4	29,122.32	14,761.19		6,560.53	8,200.66
	404258	U2 East CW Pump Overhaul	207,404.35	99,554.06		44,246.25	55,307.81
	404259	U2 North Ext. Pump Overhaul	139,355.53	66,890.66		29,729.18	37,161.48
	404260	U1 W Boiler Feed Pump Overhaul	185,556.70	89,067.24		39,585.44	49,481.80
2016 Total			3,216,289.52	1,591,103.19		707,156.96	883,946.21
2017	P03229	HRD Holyrood Plant Common	323,900.00	165,255.12		73,446.72	91,808.40
	P04608	HRD Holyrood Unit #3	210,800.00	136,735.13		60,771.17	75,963.96
	P04609	HRD Holyrood Unit #3	142,900.00	92,691.89		41,196.40	51,495.50
	P04610	HRD Holyrood Unit #2	279,300.00	181,167.57		80,518.92	100,648.65
	P04611	HRD Holyrood Unit #2	2,302,100.00	1,493,254.05		663,668.47	829,585.59
	P04620	HRD Holyrood Plant Common	2,437,300.00	1,580,951.35		702,645.05	878,306.31
2017 Total			5,696,300.00	3,650,055.12		1,622,246.73	2,027,808.40
2018	P04182	Upgrade Powerhouse Building Envelope	784,100.00	721,372.00		320,609.78	400,762.22
	P04782	2018 - Overhaul Turbine Valves - Unit 1	3,490,300.00	3,365,646.43		1,495,842.86	1,869,803.57
	P04783	2018 - Overhaul Vacuum Pump - Unit 2 South	93,100.00	89,775.00		39,900.00	49,875.00
	P04785	2018 - Overhaul Boiler Feed Pump - Unit 2 East	354,100.00	341,453.57		151,757.14	189,696.43
	P04787	Cond. Assess. & Misc. Upgrades - HRD	2,267,400.00	2,186,421.43		971,742.86	1,214,678.57
2018 Total			6,989,000.00	6,704,668.43		2,979,852.64	3,724,815.79
2019	P04948	Cond. Assess. & Misc. Upgrades - HRD	1,858,800.00		1,858,800.00	116,175.00	1,742,625.00
2019 Total			1,858,800.00	-	1,858,800.00	116,175.00	1,742,625.00
Grand Total			17,760,389.52	11,945,826.74	1,858,800.00	5,425,431.33	8,379,195.41