

1 Q. **Off Island Purchases**

2 Page 1.9, lines 19-21 – Provide the calculation for the stated reduced Holyrood
 3 generation and barrels of oil.

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6 A. Please refer to Table 1.

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Table 1 Calculation of Reduced Holyrood Generation and Barrels of Oil

	Holyrood Generation (GWh)	
	Base Case (As filed in Hydro’s GRA)	LIL Available, using Recapture Energy and MF Pre- commissioning Power Only
2018	1,554	1,166
2019	1,560	929
Total Holyrood Generation	3,114	2,095
Delta from Base Case		1,019
	No. 6 Fuel (Barrels 000s)	
2018	2,522	1,922
2019	2,534	1,540
Total Barrels	5,056	3,462
Delta from Base Case		1,594

9 Since filling its 2017 General Rate Application (GRA), Hydro has continued to refine
 10 the analysis of potential fuel savings as a result of off-island purchases. Based on
 11 Hydro’s most recent analysis, as shown in Table 1, Hydro forecasts that for the
 12 period from 2018 through 2019, the use of Recapture Energy could provide a
 13 reduction of approximately 1 TWh in Holyrood Thermal Generating Station (HTGS)
 14 generation and therefore a reduction in No. 6 fuel consumption of approximately
 15 1.6 million barrels.

1 As this analysis only considers 2018 and 2019, it excludes any reduction in HTGS
 2 generation made possible by pre-commissioning energy from Muskrat Falls
 3 Generation Station. Hydro did not prepare a production profile for 2020 as part of
 4 its 2017 GRA, given that the year is out of scope for the current filing. Table 2
 5 provides estimated HTGS generation that would be required under Base Case (i.e.
 6 No LIL) conditions.

8 As presented in Table 2, Hydro forecasts that for the period from 2018 through
 9 2019, the use of recapture could provide a reduction of approximately 1.6 TWh in
 10 HTGS generation and therefore a reduction in No. 6 fuel consumption of
 11 approximately 2.5 million barrels.

13 **Table 2 Calculation of Reduced Holyrood Generation and Barrels of Oil (Updated)**

	Holyrood Generation (GWh)	
	Base Case (As filed in Hydro's GRA)	LIL Available, using Recapture Energy and MF Pre- commissioning Power Only
2018	1,554	1,166
2019	1,560	929
2020	1,086	482
Total Holyrood Generation	4,200	2,577
Delta from Base Case		1,623
	No. 6 Fuel (Barrels 000s)	
2018	2,522	1,922
2019	2,534	1,540
2020	1,763	827
Total Barrels	6,819	4,289
Delta from Base Case		2,530

1 The above analysis will need to be revisited once the low-limit operational studies
2 for the Labrador Island Link are completed in late 2017. Finally, this analysis does
3 not contemplate the purchase of additional supply from other off-island sources.