1	Q.	Reference: Bi-weekly Energy Supply Report for the Island Interconnected System						
2		for the Period Ending February 25, 2016 submitted by Hydro on March 2, 2016,						
3		Page 5, Lines 22-23 to Page 6, Line 2.						
4								
5		"Hydro is also currently experiencing a derating at the Hardwoods gas turbine to 38						
6		MW (from 50 MW) Hydro expects that the original engine will be installed again						
7		by fall 2016"						
8								
9		In the response to Request for Information NP-NLH-020 (Revision 1, January 11-16)						
10		of the original Application, Hydro identified the derating of the Hardwoods Gas						
11		Turbine as reducing the opportunity to operate the diesel generators to reduce the						
12		operation of the Holyrood CT. Does the derating of the Hardwoods Gas Turbine						
13		through to the fall of 2016 reduce the opportunity to utilize the diesel generators to						
14		reduce operation of the Holyrood CT? If so, what is the impact on the stated 2016						
15		fuel saving of \$0.73 million referred to in the report Purchase 12MW of Diesel						
16		Generation (Revised), Page 12, Line 5?						
17								
18								
19	A.	Using a similar analysis to that presented in Hydro's response to DG-PUB-NLH-14,						
20		Hydro has restated the estimated fuel savings which could be provided by the						
21		Holyrood diesels, assuming a continuation in the derating of the Hardwoods Gas						
22		Turbine (HWD GT) to its current maximum output of 38 MW until the fall of 2016.						
23		The results are found in Table 1.						
24								
25		There is no material change in fuel savings identified by utilizing the Holyrood						
26		diesels under this scenario analysis, as they remain at an estimated \$0.41 million for						
27		the year. However, the reduction in HWD GT capability by 12 MW does reduce the						

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band of Avalon load between the start-up of the HWD GT and the Holyrood diesels
to the start-up of the Holyrood CT; from 35 MW to 23 MW. Given the inherent
uncertainty in load forecasts and the dynamics of the load, this will limit the
opportunities to dispatch the diesels to defer HRD CT operation until Hardwoods is
restored to full capacity.

	Tabl	e 1								
<u>Jan - Dec 2016</u>										
Without Holyrood Diesels - HWD GT de-rated until the Fall of 2016										
		Minimum								
	Operating	Load	Energy	Rate		Cost				
Standby Unit	Hours	(MW)	(kWh)	(\$	/MWh)		(\$)			
Uportuge de Orie Ford		-	4 445 000	~	0.01	~	224.450			
Hardwoods One End	223	0.05	1,115,000	\$	0.21	\$	234,150			
Holyrood Diesels	-	9.25	-	ې د	0.19	ې د	-			
Hardwoods Two Ends	009	40	20,300,000	ç	0.21	ç	5,555,000			
Totals		10	27.475.000	9	0.21	-	E 760 750			
Totals			27,473,000			\$	5,705,750			
With Holyrood Diesels - HWD GT derated to the	e Fall of 20	16								
		Minimum								
	Operating	Load	Energy	Rate			Cost			
Standby Unit	Hours	(MW)	(kWh)	(\$/MWh)			(\$)			
		_								
Hardwoods One End	342	5	1,710,000	Ş	0.21	\$	359,100			
Holyrood Diesels	119	9.25	1,100,750	\$	0.19	5	209,143			
Holyrood Cl	533	40	21,320,000	\$	0.21	\$	4,477,200			
Hardwoods Two Ends	-	10		\$	0.21		-			
lotals			24,130,750			\$	5,045,443			
Savings										
Gross Fuel Savings						\$	724,308			
Less Holyrood Replacement Energy Costs ¹						\$	(314,360)			
Net Savings over Period						\$	409,948			
1										