

1 Q. **Reference: Regulated Activities Evidence**

2 Calculate the pro-forma RSP Hydraulic Production Variation balance that would
3 exist at the end of June 2013 using the hydraulic production data provided in the
4 response to Request for Information NP-NLH-17 and assuming: (i) the RSP Hydraulic
5 Production Variation mechanism includes a balance disposition approach reflecting
6 a discrete or fixed write-off period of 3 years; (ii) the 2013 Test Year forecast cost of
7 No. 6 fuel; (iii) the 2013 Test Year Holyrood energy conversion factor; and, (iv) the
8 2013 forecast RSP finance costs.

9 Please provide the response in a tabular format similar to response to Request for
10 Information NP-NLH-18.

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13 A. NP-NLH-081 Attachment 1 provides the hydraulic production variation that would
14 exist at the end of June 2013 using the data provided in the response to NP-NLH-
15 017 and incorporating the assumptions noted above.

**Newfoundland and Labrador Hydro
Rate Stabilization Plan
Net Hydraulic Production Variation**

NP-NLH-081, Attachment 1
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Year	A Cost of Service Net Hydraulic Production (GWh)	B Actual Net Hydraulic Production (GWh)	C Annual Net Hydraulic Production Variance (GWh) (A - B)	D Cost of Service No. 6 Fuel Cost ² (\$Can/bbl.)	E Net Hydraulic Production Variation (\$000) (C / O ¹ X D)	F Financing Charges (\$000)	G Net Hydraulic Production Variation including Financing (\$000) (E + F)	H Hydraulic Allocation plus YTD Financing (\$000)	I Cumulative Variation at Year End (\$000)
1994	4,205.3	5,036.6	(831.3)	107.98	(146,675)	(11,090)	(157,765)	52,588	(105,176)
1995	4,205.3	4,386.3	(180.9)	107.98	(31,923)	(10,366)	(42,289)	66,685	(80,781)
1996	4,205.3	4,565.6	(360.3)	107.98	(63,565)	(10,914)	(74,479)	91,511	(63,749)
1997	4,205.3	4,620.5	(415.2)	107.98	(73,257)	(10,359)	(83,616)	66,795	(80,570)
1998 ³	4,205.3	4,424.8	(219.5)	107.98	(38,721)	(9,020)	(47,741)	68,612	(59,699)
1999	4,205.3	4,803.0	(597.6)	107.98	(105,446)	(12,487)	(117,933)	83,097	(94,536)
2000	4,205.3	5,012.7	(807.4)	107.98	(142,454)	(17,919)	(160,373)	108,682	(146,226)
2001	4,205.3	3,953.4	252.0	107.98	44,455	(7,695)	36,760	80,515	(28,951)
2002	4,143.2	3,981.8	161.4	107.98	28,477	(36)	28,441	31,724	31,214
2003	4,425.0	4,321.1	103.9	107.98	18,332	3,746	22,078	(29,093)	24,199
2004	4,543.8	4,726.4	(182.5)	107.98	(32,203)	(605)	(32,809)	(5,904)	(14,513)
2005	4,582.2	4,769.6	(187.5)	107.98	(33,079)	(3,598)	(36,677)	15,803	(35,388)
2006	4,582.2	4,802.5	(220.3)	107.98	(38,875)	(5,615)	(44,490)	37,992	(41,885)
2007	4,472.1	4,689.4	(217.4)	107.98	(38,351)	(6,067)	(44,417)	41,861	(44,441)
2008	4,472.1	4,771.0	(299.0)	107.98	(52,750)	(7,349)	(60,098)	49,668	(54,871)
2009 ^{4,6}	4,472.1	4,611.9	(139.9)	107.98	(24,679)	(6,015)	(30,694)	45,070	(40,495)
2010 ^{5,6}	4,472.1	4,711.6	(239.6)	107.98	(42,269)	(6,258)	(48,527)	46,440	(42,582)
2011 ⁶	4,472.1	4,502.2	(30.1)	107.98	(5,308)	(3,621)	(8,929)	29,383	(22,128)
2012 ⁶	4,472.1	4,590.2	(118.1)	107.98	(20,836)	(3,248)	(24,084)	27,180	(19,032)
2013 YTD June	2,239.1	2,530.5	(291.4)	107.98	(51,414)	(5,326)	(56,740)	29,918	(45,855)

1. O is the Holyrood Operating Efficiency of 612 kWh/barrel per the 2013 Test Year.

2. For the purpose of this response, the average of the 12 months No. 6 2013 Test Year fuel cost was used.

3. 1998 balances adjusted to reflect an additional 172.6 GWh related to spill recorded in 1999.

4. 2009 balances adjusted to reflect an additional 5.7 GWh recorded in 2010.

5. 2010 balances adjusted to reflect an additional 0.6 GWh recorded in 2011.

6. Includes Nalcor Exploits Base generation and Secondary Energy from Corner Brook Pulp and Paper. Nalcor Exploits Base generation is generation from the Grand Falls, Bishops Falls and Buchans generating stations that was used to supply mill operations prior to the shut down of Abitibi's Grand Falls-Windsor Paper Mill in February of 2009. Please refer to the Regulated Operations section of the GRA evidence for further explanation of Hydro's treatment of this generation.

Newfoundland and Labrador Hydro
Rate Stabilization Plan
Net Hydraulic Production Variation - Amortization (\$000s)

NP-NLH-081, Attachment 1
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Year	Net Hydraulic Production Variation	Financing Charges	Total Balance	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	YTD 2013
1994	(146,675)	(11,090)	(157,765)	52,588	52,588	52,588																	
1995	(31,923)	(10,366)	(42,289)		14,096	14,096	14,096																
1996	(63,565)	(10,914)	(74,479)			24,826	24,826	24,826															
1997	(73,257)	(10,359)	(83,616)				27,872	27,872	27,872														
1998 ³	(38,721)	(9,020)	(47,741)					15,914	15,914	15,914													
1999	(105,446)	(12,487)	(117,933)						39,311	39,311	39,311												
2000	(142,454)	(17,919)	(160,373)							53,458	53,458	53,458											
2001	44,455	(7,695)	36,760								(12,253)	(12,253)	(12,253)										
2002	28,477	(36)	28,441									(9,480)	(9,480)	(9,480)									
2003	18,332	3,746	22,078										(7,359)	(7,359)	(7,359)								
2004	(32,203)	(605)	(32,809)											10,936	10,936	10,936							
2005	(33,079)	(3,598)	(36,677)												12,226	12,226	12,226						
2006	(38,875)	(5,615)	(44,490)													14,830	14,830	14,830					
2007	(38,351)	(6,067)	(44,417)														14,806	14,806	14,806				
2008	(52,750)	(7,349)	(60,098)															20,033	20,033	20,033			
2009 ^{4,6}	(24,679)	(6,015)	(30,694)															10,231	10,231	10,231	10,231		
2010 ^{5,6}	(42,269)	(6,258)	(48,527)																	16,176	16,176	16,176	
2011 ⁶	(5,308)	(3,621)	(8,929)																		2,976	2,976	2,976
2012 ⁶	(20,836)	(3,248)	(24,084)																			8,028	8,028
2013 YTD June	(51,414)	(5,326)	(56,740)																				18,913
Total	(850,539)	(133,841)	(984,381)	52,588	66,685	91,511	66,795	68,612	83,097	108,682	80,515	31,724	(29,093)	(5,904)	15,803	37,992	41,861	49,668	45,070	46,440	29,383	27,180	29,918