

1 Q. **NLH Evidence, Schedule 3-IV, pages 2 and 3 of 3**

2 Citation 1 (page 3.20):

3 Hydro's sources of supply are detailed in the production plan (referred to as the
4 hydro-thermal split) and are included in Schedule 3-IV. The actual energy supply
5 sources and fuel expenses for 2015, 2016, and the forecast for 2017 through to the
6 2019 Test Year are summarized in Schedule 3-V.

7

8 Citation 2 (p. 6.1):

9 The availability of the LIL, LTA, and the Maritime Link transmission lines, expected in
10 2018, will provide Hydro with off-island supply options for the Island electrical
11 system from 2018 to 2020 while the construction of the Muskrat Falls Plant
12 continues. With the availability of these transmission components, there is a
13 significant opportunity to reduce Holyrood generation by using off-island power
14 purchases in 2018, 2019, and 2020.

15

16 Preamble:

17 The Production Plan for 2018 and 2019 show Holyrood production of 1554.5 and
18 1560.3 GWh/yr, respectively, and no off-island purchases. Based on Citation 2, it
19 would appear that Hydro intends to import significant quantities of off-island
20 generation, and to produce significantly less electricity at Holyrood.

21

22 a) Is the statement in the preamble correct? If not please, correct it.

23 b) Please:

24 i. confirm that Hydro expects Holyrood generation in 2018 and 2019 to be less
25 than the values indicated in Schedule 3-IV;

26 ii. confirm that Hydro expects off-island imports in 2018 and 2019 that are not
27 indicated in Schedule 3-IV;

1 iii. provide tables showing Hydro’s Production Plan for 2018 and 2019
2 taking into account its current forecast of expected Holyrood
3 generation and off-island imports.
4

5
6 A. a) It is confirmed.

7 b) i. Hydro confirms that it expects Holyrood generation in 2018 and 2019 to be
8 less than the values indicated in Schedule 3-IV.

9 ii. Hydro confirms that it does expect off-island imports in 2018 and 2019 that
10 are not indicated in Schedule 3-IV.

11 iii. Please refer to Hydro’s response to LAB-NLH-007, Attachment 1 for Hydro’s
12 Production Plan for 2018 and 2019 taking into account its current forecast of
13 expected Holyrood generation and off-island imports. Note that in 2018
14 Hydro indicates required energy production at the Holyrood Thermal
15 Generating Station (Holyrood) in July and August, totaling 63.8 GWh. This
16 requirement is associated with operation of one Holyrood unit at minimum
17 to support Labrador-Island Link commissioning. As part of the asset
18 commissioning plan, Hydro will continue to investigate methods to reduce
19 this requirement, which could then further reduce Holyrood production
20 from that indicated in the attached Production Plan.

Newfoundland and Labrador Hydro Production Plan for 2017-2019 Island Interconnected System																										
Production Plan (Net Generation GWh) Year: 2017																										
Month	LOAD	Hydro Generation							Thermal	Gas Turbine				Diesel			Purchases								Total Power Purchases	Total Supplied
		BDE	HLK	USL	CAT	GCL	MINI HYDRO	PRV		Holyrood	HWD	SVL	HRD	HRD	GNP	Deer Lake Power	Nalcor GF and	Nalcor Star Lake	Rattle Brook	Corner Brook CoGen	Nalcor Buchans	St. Lawrence Wind	Fermeuse Wind	Labrador Island Link		
January	848.1	298.0	53.2	62.2	32.7	24.2	0.3	3.3	267.8	3.0	0.1	9.8	0.2	0.1	0.0	54.8	11.2	0.7	6.3	0.0	11.2	9.0	-	93.3	848.1	
February	770.4	301.8	46.2	58.1	35.8	22.7	0.3	2.9	207.4	2.9	0.1	6.4	0.2	0.1	0.0	49.4	10.6	0.5	5.0	0.0	11.2	9.0	-	85.6	770.4	
March	777.2	281.4	41.6	62.0	51.1	23.8	0.3	3.7	213.8	1.8	0.1	5.3	0.2	0.1	0.0	54.2	12.2	0.6	5.8	0.0	10.6	8.5	-	92.0	777.2	
April	624.8	269.0	26.6	60.3	36.5	25.8	0.4	4.7	118.3	1.6	0.1	3.2	0.1	0.0	0.0	41.9	12.1	1.6	5.6	0.0	9.4	7.6	-	78.2	624.8	
May	526.3	200.9	27.8	46.9	51.1	23.8	0.6	3.9	84.0	0.1	0.1	0.1	0.0	0.0	0.0	52.5	12.1	2.6	5.7	0.0	7.9	6.3	-	87.2	526.3	
June	446.0	174.7	26.6	51.9	49.0	17.3	0.5	2.0	42.1	0.1	0.1	0.1	0.0	0.0	0.0	52.7	10.3	1.6	6.1	0.0	6.1	4.9	-	81.7	446.0	
July	408.1	157.9	23.1	48.0	31.8	15.0	0.4	1.4	43.7	0.1	0.1	1.5	0.0	0.0	0.0	55.5	12.9	0.8	5.6	0.0	5.8	4.6	-	85.2	408.1	
August	404.9	181.8	18.5	54.8	35.0	17.5	0.3	1.5	7.8	0.1	0.1	13.2	0.0	0.0	0.0	45.6	12.9	0.8	4.2	0.0	6.0	4.8	-	74.4	404.9	
September	409.3	166.5	20.8	38.9	41.8	13.7	0.3	1.8	54.6	0.1	0.1	0.1	0.0	0.0	0.0	38.5	10.7	1.2	6.2	0.0	7.8	6.2	-	70.6	409.3	
October	519.9	197.1	33.6	46.0	35.8	20.2	0.4	3.1	104.2	0.1	0.1	0.1	0.0	0.0	0.0	44.2	12.9	1.6	5.4	0.0	8.5	6.8	-	79.4	519.9	
November	637.8	254.0	39.3	58.1	38.0	27.1	0.4	3.9	137.3	0.9	0.1	0.6	0.0	0.0	0.0	43.3	11.1	1.8	4.3	0.0	9.7	7.8	-	78.0	637.8	
December	805.0	298.7	41.6	62.3	34.2	27.1	0.3	3.9	240.5	0.9	0.1	3.0	0.1	0.1	0.0	54.2	11.3	1.1	6.3	0.0	10.8	8.7	-	92.3	805.0	
TOTAL	7177.8	2781.6	399.0	649.3	473.0	258.2	4.5	36.0	1521.5	11.4	0.8	43.5	0.8	0.5	0.0	587.0	140.3	14.8	66.5	0.0	104.8	84.4	-	997.9	7177.8	

Newfoundland and Labrador Hydro Production Plan for 2017-2019 Island Interconnected System																										
Production Plan (Net Generation GWh) Year: 2018																										
Month	LOAD	Hydro Generation							Thermal	Gas Turbine				Diesel			Purchases								Total Power Purchases	Total Supplied
		BDE	HLK	USL	CAT	GCL	MINI HYDRO	PDR		Holyrood	HWD	SVL	HRD	HRD	GNP	Deer Lake Power	Nalcor GF and	Nalcor Star Lake	Rattle Brook	Corner Brook CoGen	Nalcor Buchans	St. Lawrence Wind	Fermeuse Wind	Labrador Island Link		
January	854.1	292.4	47.1	61.3	52.2	23.0	0.3	3.2	267.8	3.0	0.1	9.7	0.2	0.1	0.0	54.1	12.4	0.7	6.3	0.0	11.2	9.0	-	93.8	855.2	
February	771.7	281.2	40.9	56.4	57.1	21.5	0.3	2.8	216.0	2.9	0.1	6.4	0.2	0.1	0.0	48.9	11.3	0.5	5.0	0.0	11.2	9.0	-	85.8	775.7	
March	780.6	260.4	36.8	54.6	81.5	22.6	0.3	3.6	221.8	1.8	0.1	5.2	0.2	0.1	0.0	53.9	12.5	0.6	5.8	0.0	10.6	8.5	-	91.9	783.2	
April	621.9	210.3	23.5	44.1	58.2	24.5	0.4	4.5	158.4	1.6	0.0	3.1	0.1	0.0	0.0	56.5	12.4	1.6	5.6	0.0	9.4	7.6	-	93.1	625.2	
May	535.8	189.3	24.6	39.7	81.5	22.6	0.6	3.8	79.2	0.0	0.0	0.1	0.0	0.0	0.0	59.1	12.8	2.6	5.7	0.0	7.9	6.3	-	94.4	531.9	
June	453.4	203.4	23.5	49.9	78.1	16.4	0.5	1.9	0.0	0.0	0.0	0.1	0.0	0.0	0.0	48.8	12.0	1.6	6.1	0.0	6.1	4.9	-	79.4	449.4	
July	414.5	109.5	20.5	30.2	50.8	14.2	0.4	1.3	52.1	0.0	0.0	0.1	0.0	0.0	0.0	52.6	13.0	0.8	5.6	0.0	5.8	4.6	53.1	135.5	411.8	
August	407.8	129.8	16.4	34.5	55.8	16.6	0.3	1.5	11.8	0.0	0.0	0.1	0.0	0.0	0.0	54.1	12.9	0.8	4.2	0.0	6.0	4.8	58.3	141.1	405.3	
September	417.4	117.7	18.4	24.7	66.6	13.0	0.3	1.8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	48.3	6.5	1.2	6.2	0.0	7.8	6.2	98.7	174.8	414.5	
October	526.4	203.9	29.7	42.7	57.1	19.2	0.4	3.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	38.7	13.0	1.6	5.4	0.0	8.5	6.8	95.8	169.8	523.7	
November	637.1	265.0	34.8	55.5	60.6	25.7	0.4	3.8	67.2	0.2	0.0	0.2	0.0	0.0	0.0	46.0	11.5	1.8	4.3	0.0	9.7	7.8	42.5	123.6	640.0	
December	801.8	390.1	36.8	62.5	54.5	25.7	0.3	3.8	92.1	1.3	0.0	1.8	0.0	0.1	0.0	54.5	11.5	1.1	6.3	0.0	10.8	8.7	39.7	132.6	806.6	
TOTAL	7222.5	2650.0	354.0	556.0	755.0	246.0	4.5	35.0	1166.3	11.3	0.5	26.7	0.8	0.5	0.0	615.4	141.8	14.8	66.5	0.0	104.8	84.4	388.1	1415.9	7222.5	

Newfoundland and Labrador Hydro Production Plan for 2017-2019 Island Interconnected System																										
Production Plan (Net Generation GWh) Year: 2019																										
Month	LOAD	Hydro Generation							Thermal	Gas Turbine				Diesel			Purchases								Total Power Purchases	Total Supplied
		BDE	HLK	USL	CAT	GCL	MINI HYDRO	PDR		Holyrood	HWD	SVL	HRD	HRD	GNP	Deer Lake Power Secondary	Nalcor GF and BF	Nalcor Star Lake	Rattle Brook	Corner Brook CoGen	Nalcor Buchans	St. Lawrence Wind	Fermeuse Wind	Labrador Island Link		
January	855.6	307.9	47.1	62.5	52.2	23.0	0.3	3.2	156.2	0.5	0.0	0.2	0.0	0.1	0.0	54.1	12.4	0.7	6.3	0.0	11.2	9.0	108.7	202.5	865.0	
February	771.1	277.2	40.9	56.4	57.1	21.5	0.3	2.8	131.0	0.0	0.0	0.1	0.0	0.1	0.0	48.9	11.3	0.5	5.0	0.0	11.2	9.0	97.9	183.5	779.0	
March	782.8	249.8	36.8	52.3	81.5	22.6	0.3	3.6	144.5	0.0	0.0	0.1	0.0	0.1	0.0	53.9	12.5	0.6	5.8	0.0	10.6	8.5	99.4	191.1	787.8	
April	628.9	223.0	23.5	46.7	58.2	24.5	0.4	4.5	75.6	0.0	0.0	0.1	0.0	0.0	0.0	56.5	12.4	1.6	5.6	0.0	9.4	7.6	79.9	172.2	632.8	
May	535.3	188.3	24.6	39.5	81.5	22.6	0.6	3.8	11.8	0.5	0.0	0.4	0.0	0.0	0.0	59.1	12.8	2.6	5.7	0.0	7.9	6.3	68.0	161.8	533.6	
June	454.8	160.7	23.5	36.5	78.1	16.4	0.5	1.9	0.0	0.0	0.0	0.1	0.0	0.0	0.0	48.8	12.0	1.6	6.1	0.0	6.1	4.9	57.8	137.0	451.9	
July	420.9	160.1	20.5	36.4	50.8	14.2	0.4	1.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	52.6	13.0	0.8	5.6	0.0	5.8	4.6	53.5	137.2	422.0	
August	408.8	148.6	16.4	33.9	55.8	16.6	0.3	1.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	54.1	12.9	0.8	4.2	0.0	6.0	4.8	51.9	135.5	404.1	
September	419.2	156.8	18.4	32.9	66.6	13.0	0.3	1.8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	48.3	6.5	1.2	6.2	0.0	7.8	6.2	53.2	129.3	411.8	
October	531.0	231.4	29.7	48.5	57.1	19.2	0.4	3.0	0.0	0.4	0.0	0.1	0.0	0.0	0.0	38.7	13.0	1.6	5.4	0.0	8.5	6.8	67.4	141.2	522.7	
November	632.9	228.5	34.8	47.9	60.6	25.7	0.4	3.8	70.6	0.0	0.0	0.1	0.0	0.0	0.0	46.0	11.5	1.8	4.3	0.0	9.7	7.8	80.4	160.6	632.4	
December	794.1	320.8	36.8	62.5	54.5	25.7	0.3	3.8	93.1	1.0	0.0	1.2	0.0	0.1	0.0	54.7	11.8	1.1	6.3	0.0	10.8	8.7	100.8	194.2	792.2	
TOTAL	7235.3	2653.0	353.0	556.0	754.0	245.0	4.5	35.0	682.8	2.6	0.3	2.4	0.2	0.5	0.0	615.0	141.7	14.8	66.5	0.0	104.8	84.4	918.8	1946.2	7235.3	