

- 1 **Q. Re: 2017 GRA Compliance Application, Exhibit 1, pages 1 and 2 (pp. 37-38 pdf)**
- 2 a) Please present tables for 2018 and 2019 showing installed capacity (MW), loads
- 3 (GWh) and revenues (\$) from data centres in Labrador according to:
- 4 i. the original GRA filing;
- 5 ii. the “2018 Cost Deferral and Interim Rates Application,” (rev. 2) November
- 6 14, 2018, (originally filed on October 26, 2018) (“October 2018 Filing”); and
- 7 iii. the Compliance Application.
- 8 b) Please explain all substantial variances between the values shown in the tables
- 9 created in response to (a), for each year.
- 10 c) Please confirm that the data presented in the Compliance Application with respect
- 11 to data centre loads in Labrador represent a) actual data, for 2018, and b) Hydro’s
- 12 most recent projection of 2019 data, taking into account actuals for the year to
- 13 date.
- 14 d) Please explain the impact of the Interruptible Load Service Agreement with
- 15 Labrador Lynx Limited, approved by the Board in P.U. 37 (2018), on the data centre
- 16 load data in the tables created in response to (a).
- 17
- 18 e) Please indicate whether any other interruptible load service agreements a) have been
- 19 made by Hydro, or b) are currently being contemplated by Hydro.
- 20
- 21
- 22 **A. a)** Table 1 provides the forecasts of installed capacity (non-coincident customer peak
- 23 MW) and annual loads (customer GWh sales) for those customers on the Labrador
- 24 Interconnected Systems that identified as being data centres and which were
- 25 explicitly forecast by Newfoundland and Labrador Hydro (“Hydro”).

Table 1: Labrador Data Centres

Test Year	2017 General Rate Application		October 2018 Filing		2017 GRA Compliance Application	
	(GWh)	(MW)	(GWh)	(MW)	(GWh)	(MW)
2018	43.6	8.7	75.2	16.8	75.1	16.6
2019	50.9	8.7	147.9	24.6	111.7	24.6

1 Hydro prepares its revenue forecasts on a rate class basis which does not entail
 2 preparing revenue forecasts on an individual retail customer basis. As such, Hydro
 3 does not have the associated revenue forecasts for the data centre customer loads
 4 indicated in Table 1.

5
 6 b) The forecast load requirements (MW and GWh) included in the 2017 General Rate
 7 Application as filed (for both the 2018 and 2019 Test Years) reflected two new
 8 customer additions in Labrador that identified as being data centres. The annual
 9 load requirements were explicitly forecast for these customers owing to the scale
 10 of the customers' requirements relative to the existing customer base. The
 11 increased load requirements in subsequent filings reflected load requirements from
 12 additional customers that identified as being data centres and were approved for
 13 service by Hydro subsequent to the 2017 General Rate Application filing. The
 14 decreased load requirement from the October 2018 Filing to the 2017 GRA
 15 Compliance Application filing reflects estimated load requirements of the data
 16 centre customers owing to a slower load ramp-up than had been originally
 17 forecasted.

18
 19 c) Test Year 2018 and 2019 loads have been adjusted from the October 26, 2018 filing
 20 to reflect Hydro's best estimate for customers designated as data centres.

21
 22 d) The data centre load data in Table 1 provided in response a) reflects the maximum
 23 customer capacity (non-coincident customer peak demand) within the year. The
 24 Interruptible Load Service Agreement with Labrador Lynx Limited, approved by the
 25 Board of Commissioners of Public Utilities in Board Order No. P.U. 37(2018), is

1 expected to primarily impact the customer's load during system peak demand
2 periods that occur during winter months and, therefore, would not have an impact
3 on the customer load requirements indicated in Table 1.

4

5 e) a) No other interruptible load service agreements have been made by Newfoundland
6 and Labrador Hydro ("Hydro").

7

8 b) Hydro is working with Labrador Lynx Limited on an agreement for the 2019-2020
9 winter season. The agreement is expected to be very similar to the previous year's.

10

11 Hydro is also currently working with Industrial Customers in Labrador West on
12 potential Capacity Assistance Agreements.