1 **Q.**   **Reference: "2019/2020 General Rate Application," Newfoundland Power, June 1,**
2   **2018, vol. 1, sec. 2.3.2, at p. 2-24, fig. 2-6 and p.2-22.**
3

4   **"Under normal operating conditions, the duration of customer outages has**
5   **remained relatively consistent since 2008, at approximately 2.3 to 3 hours per year."**
6

7   **Reference: "2019/2020 General Rate Application," Newfoundland Power, June 1,**
8   **2018, vol. 1, sec. 2.3.2, at p. 2-25, fig. 2-7 and p.2-23.**
9

10   **"Under normal operating conditions, customers have experienced an average of**
11   **between 1 and 3 outages per year since 2008."**
12

13   **Reference: "2020 Capital Budget Application," Newfoundland Power, July 5, 2019,**
14   **Report 4.1 "Distribution Reliability Initiative," sec. 3.1, at p. 2, Table 1**

Table 1
Distribution Interruption Statistics
5-Year Average to December 31, 2018

Feeder	Customers	SAIFI	SAIDI	CHIKM	CIKM
DUN-01	1,049	4.90	9.54	62	32
GBY-03	762	3.35	6.94	49	24
GDL-04	1,472	1.27	2.23	222	127
Company Average	-	**1.37**	**1.82**	**55**	**45**

15   a)   **Please explain how the data in Table 1 compares to the data in Newfoundland**
16   **Power's "2019/2020 General Rate Application," fig. 2-6 (SAIDI) and fig. 2-7**
17   **(SAIFI).**
18

19   b)   **For the SAIFI of 1.37 and SAIDI of 1.82 data contained in Table 1, please clarify**
20   **if any of the following data components, or any combination of components,**
21   **have been removed:**
22   **i)   Significant events;**
23   **ii) Loss of supply; and**
24   **iii) Planned events.**
25

26   c)   **Using the same data components upon which the SAIFI of 1.37 and SAIDI of**
27   **1.82 data contained in Table 1 are based, please complete the following table for**
28   **each of the years 1998 to 2018 for Newfoundland Power's annual historical**
29   **performance and CEA Region 2 comparable data.**

Year	Newfoundland Power		CEA Region 2	
	SAIDI	SAIFI	SAIDI	SAIFI
1998				
1999				
2000				
2001				
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009				
2010				
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018				

1 A.   a) The reliability data provided in the referenced figures and table differ.
2
3   The reliability data provided in Figures 2-6 and 2-7 of Newfoundland Power's
4   *2019/2020 General Rate Application* includes both scheduled and unscheduled
5   outages across the Company's entire electrical system. Only outages due to Loss of
6   Supply and Significant Events are excluded from the data.
7
8   The reliability data provided in Table 1 of report *4.1 Distribution Reliability Initiative*
9   of Newfoundland Power's *2020 Capital Budget Application* is specific to
10   unscheduled outages on the Company's distribution system. As a result, while this
11   table excludes customer outages due to Loss of Supply and Significant Events, it also
12   excludes scheduled outages and outages associated with issues on Newfoundland
13   Power's transmission system and substations.
14
15   b) See part (a) above.
16
17   c) CEA data is not available to complete a comparison to the SAIDI and SAIFI data
18   shown in the table referenced above.
19

1　　As explained in part (a), the data provided in the table above is specific to
2　　Newfoundland Power's distribution system. This data excludes customer outages
3　　caused by the Company's transmission system and substations.
4
5　　Utilities submitting data to the CEA follow different approaches to classifying
6　　outages by system. Many utilities include outages on their transmission and
7　　substation systems as part of the distribution system. As a result, CEA data is not
8　　available in a format similar to that presented in the table above.
9
10　　Table 1 below provides Newfoundland Power's SAIDI and SAIFI from 1998 to 2018
11　　using the same data components upon which the SAIFI of 1.37 and SAIDI of 1.82, as
12　　contained in the table above, are based.

Table 1
Unscheduled Distribution Outages
(1998 – 2018)

	SAIDI	SAIFI
1998	5.43	4.48
1999	3.00	1.70
2000	2.80	1.60
2001	2.90	1.80
2002	2.85	1.81
2003	2.30	1.56
2004	2.13	1.59
2005	2.00	1.41
2006	2.03	1.45
2007	2.13	1.68
2008	1.74	1.25
2009	2.18	1.18
2010	1.43	1.00
2011	1.58	1.10
2012	1.58	1.21
2013	1.68	1.12
2014	1.73	1.18
2015	1.74	1.39
2016	1.71	1.43
2017	1.71	1.35
2018	1.82	1.37