

- 1 **Q. Page 1-3, line 11: Please provide the data on which Newfoundland Power relies for**
 2 **the statement that its electrical system performance is reliable.**
 3
 4 A. Electric utilities generally measure overall reliability performance based on either, the
 5 system average interruption duration index (“SAIDI”) or the system average interruption
 6 frequency index (“SAIFI”). Reliability data for Newfoundland Power and its Canadian
 7 Electricity Association “CEA” peers for the past 5 years (2010 – 2014) is detailed in
 8 Table 1.
 9
 10

Table 1
Reliability
(Excluding Loss of Supply and Significant Events)

	SAIDI		SAIFI	
	<u>NP</u>	<u>CEA</u>	<u>NP</u>	<u>CEA</u>
2010	2.59	5.17	1.52	1.96
2011	2.77	5.50	1.77	2.34
2012	2.74	4.71	1.85	2.03
2013	2.45	6.67	1.92	2.03
2014	3.02	6.95	2.63	1.97
Avg	2.71	5.80	1.94	2.07

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 12
 13 Over the 2010 – 2014 period the average annual duration of customer outages
 14 experienced by Newfoundland Power’s customers due to the performance of the
 15 Company’s electrical system has consistently been approximately ½ the Canadian
 16 average. For the same period, the number of outages experienced by Newfoundland
 17 Power’s customers each year has been broadly consistent with the Canadian average.
 18

19 In 2014 the Board began the *Investigation and Hearing into Supply Issues and Power*
 20 *Outages on the Island Interconnected System* following the electrical system events that
 21 occurred on the Island Interconnected System over the January 2-8, 2014 period. During
 22 the investigation, the Board’s consultant, the Liberty Consulting Group, concluded
 23 “Newfoundland Power’s reliability performance has been better than Canadian
 24 comparators on standard reliability metrics for the last five years.”¹
 25

26 This information provides the basis for Newfoundland Power’s statement that its
 27 electrical system performance is reliable.

¹ See *Overall Conclusions* on page 2 of The Liberty Consulting Group *Executive Summary Report on Island Interconnected System to Interconnection with Muskrat Falls addressing Newfoundland Power Inc.* This report was filed with the Board on December 17, 2014 in relation to the Board’s *Investigation and Hearing into Supply Issues and Power Outages on the Island Interconnected System.*