

- 1 **Q. Please provide tables that indicate SAIFI, CAIDI, and SAIDI for 2016, 2017, and**  
 2 **2018 for (1) Newfoundland Power’s transmission system and (2) its distribution**  
 3 **system, with major event days included and planned outages excluded.**  
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 5 A. Table 1 provides Newfoundland Power’s SAIDI, SAIFI and CAIDI for its transmission  
 6 system and distribution system for the period 2016 to 2018, including major event days  
 7 and excluding planned outages.<sup>1</sup>

**Table 1:  
SAIDI, SAIFI and CAIDI  
Unplanned Outages Including Significant Events  
(2016 to 2018)**

	<u>SAIDI<sup>2</sup></u>		<u>SAIFI<sup>3</sup></u>		<u>CAIDI<sup>4</sup></u>	
	<u>Dist.</u>	<u>Trans.</u>	<u>Dist.</u>	<u>Trans.</u>	<u>Dist.</u>	<u>Trans.</u>
<b>2016</b>	2.21	0.14	1.13	0.16	1.96	0.88
<b>2017</b>	4.40	0.81	1.63	0.56	2.70	1.45
<b>2018</b>	3.52	1.02	1.63	0.37	2.16	2.76

<sup>1</sup> Table 1 excludes planned outages and loss of supply from Hydro.

<sup>2</sup> “SAIDI” denotes System Average Interruption Duration Index. It is a standard metric used to measure the duration of outages experienced by customers. SAIDI is calculated by dividing the total number of customer outage hours by the total number of customers served. Newfoundland Power calculates SAIDI in accordance with Canadian Electricity Association (“CEA”) guidelines.

<sup>3</sup> “SAIFI” denotes System Average Interruption Frequency Index. It is a standard metric used to measure the number of outages experienced by customers. SAIFI is calculated by dividing the total number of customer interruptions by the total number of customers served. Newfoundland Power calculates SAIFI in accordance with CEA guidelines.

<sup>4</sup> “CAIDI” denotes Customer Average Interruption Duration Index. It is the restoration time measure used by the CEA. In arithmetic terms, CAIDI is expressed as SAIDI / SAIFI.