

1 Q. Please provide the historical annual LOLH performance of Hydro for the LIS and the IIS since  
2 1990. Also, provide these figures on a monthly basis for 2020, 2021 and 2022.

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5 A. Newfoundland and Labrador Hydro (“Hydro”) does not currently track historical performance  
6 for loss of load hours. However, Hydro does track unserved energy due to system conditions,  
7 which includes unserved energy due to generation shortfall, in addition to other causes. This is a  
8 measure of reliability equivalent to expected unserved energy,<sup>1</sup> which is reported in the Near  
9 Term Generation Adequacy reports. Hydro did not consistently classify unserved energy based  
10 on cause prior to 1999; therefore, data prior to this date is unavailable. This data is summarized  
11 in Table 1 and Table 2.

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<sup>1</sup> Expected unserved energy is a measure of the amount of customer demand not served due to generation shortfalls.

**Table 1: Annual Unserved Energy<sup>2</sup> due to System Conditions (MW)<sup>3</sup>**

Year	IIS <sup>4</sup> Unserved Energy	LIS <sup>5</sup> Unserved Energy
1999	16	93
2000	59	56
2001	30	10
2002	103	1
2003	371	0
2004	74	0
2005	6	7
2006	0	54
2007	42	35
2008	20	4
2009	10	0
2010	0	60
2011	99	69
2012	198	24
2013	10	6
2014	2,672	53
2015	21	198
2016	10	0
2017	3	125
2018	3	211
2019	18	0
2020	0	208
2021	66	4
2022	38	423

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<sup>2</sup> Unserved energy is calculated by taking the load at the delivery point at the start of the outage event and multiplying by the duration of the outage.

<sup>3</sup> Unserved energy classified under Code 400 – System Condition or Code 700 – System Configuration as defined in “Instruction Manual for Reporting Bulk Electricity System Delivery Point Interruptions and Significant Power Interruptions” as published by Electricity Canada in 2023.

<sup>4</sup> Island Interconnected System (“IIS”).

<sup>5</sup> Labrador Interconnected System (“LIS”).

**Table 2: Monthly Unserved Energy<sup>6</sup> due to System Conditions (MWh)<sup>7</sup>**

Month and Year	IIS Unserved Energy	LIS Unserved Energy
January 2020	0	0
February 2020	0	0
March 2020	0	0
April 2020	0	0
May 2020	0	0
June 2020	0	0
July 2020	0	208
August 2020	0	0
September 2020	0	0
October 2020	0	0
November 2020	0	0
December 2020	0	0
January 2021	0	0
February 2021	0	0
March 2021	0	0
April 2021	0	0
May 2021	0	0
June 2021	0	0
July 2021	39	4
August 2021	0	0
September 2021	0	0
October 2021	0	0
November 2021	0	0
December 2021	26	0
January 2022	0	0
February 2022	2	0
March 2022	0	0
April 2022	0	0
May 2022	1	0
June 2022	13	0
July 2022	20	0
August 2022	2	218
September 2022	0	0
October 2022	0	0
November 2022	0	0
December 2022	0	205

<sup>6</sup> Unserved energy is calculated by taking the load at the delivery point at the start of the outage event and multiplying by the duration of the outage.

<sup>7</sup> Unserved energy classified under Code 400 – System Condition or Code 700 – System Configuration as defined in “Instruction Manual for Reporting Bulk Electricity System Delivery Point Interruptions and Significant Power Interruptions” as published by Electricity Canada in 2023.