

1 Q. Reference: 2020 NLH Capital Budget Application, response to Request for Information NP-
2 NLH-032, Table 1.

Table 1: Performance statistics for St. Anthony L3 and Hydro Corporate

Location	CHI	SAIFI	SAIDI
St Anthony L3	2177	1.38	2.66
Hydro Corporate	1041	1.79	3.96

3 Please provide the detailed calculation of the Hydro Corporate CHI of 1041.

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6 A. The Newfoundland and Labrador Hydro (“Hydro”) Corporate Average for Customer Hours of
7 Interruption (“Hydro Corporate CHI”) indicates the average number of Customer Hours of
8 Interruption a feeder has experienced per year.

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10 Hydro Corporate CHI = $\frac{\sum(\text{number of customer interrupted} \times \text{duration})}{\text{number of feeders}}$ / No. of Years

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12 For the 2014–2018 study period, the Hydro Corporate CHI value is calculated excluding events
13 related to the loss of supply, planned outages, customer requests, and major weather events.

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15 The calculation parameters are as follows:

- 16 • (Sum of the number of customers interrupted) × (Duration) = 749,520
- 17 • Total number of feeders = 144.
- 18 • No. of Years = 5

19 Consequently, Hydro Corporate CHI = $\frac{\left(\frac{749,520}{144}\right)}{5} = 1,041$