

1 Q. **Reference: Program 3 - Terminal Station Renewal Program (2023-2024)**

2 Hydro states on page 10, line 9, that Hydro does not currently record power transformer outage
3 statistics.

4 a) Is it a common practice in the industry to not track power transformer outages?

5 b) Given the importance of the asset does Hydro plan to track power transformer outages in
6 the future?

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9 A. a) It is common practice for most Canadian utilities to track power transformer outages in
10 relation to Electricity Canada guidelines. Newfoundland and Labrador Hydro (“Hydro”) also
11 tracks power transformer outages for voltage levels 69 kV and above in accordance with
12 Electricity Canada guidelines. This information, which was inadvertently omitted from the
13 2023 Capital Budget Application submission, has been provided in Table 1 for the period of
14 2017–2021.

Table 1: Power Transformer Outages and Durations from 2017–2021 (minutes)

Date	Transformer	Outage Duration
20-Feb-2017	Western Avalon T4	1,033
11-Mar-2017	Hardwoods T3	36
11-Mar-2017	Hardwoods T4	38
21-May-2017	Bottom Waters T1	275
5-Feb-2018	Bear Cove T1	183
9-Apr-2018	Parsons Pond T1	10
12-Apr-2018	Grandy Brook T1	106
18-Oct-2018	Doyles T1	254
22-Nov-2018	Bay d'Espoir T3	1,160
20-Mar-2019	Grandy Brook T1	87
19-Jun-2019	Bottom Brook T1	3,421
30-Sep-2019	Doyles T1	10
30-Nov-2019	Voisey's Bay Nickel T1	72
30-Nov-2019	Doyles T1	267
30-Nov-2019	Doyles T1	75
11-Jan-2020	Rocky Harbour T1	204
17-Jan-2020	Holyrood T8	430
17-Jan-2020	Holyrood T2	2603
23-Apr-2020	St. Anthony T1	1552
14-Jun-2020	English Harbour West T1	348
8-Jul-2021	Oxen Pond T1	23
8-Jul-2021	Oxen Pond T2	23
3-Aug-2021	Hardwoods T2	9
1-Nov-2021	Upper Salmon T1	8017

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 - b) Hydro plans to continue to track power transformer forced outages.