

1 Q. **Reference: Schedule 6, Program 13 Renew Distribution Feeders (2024-2025), Page 10, line 13–**
2 **16**

3 Hydro stated that it chose to initiate a new program rather than augment the existing reliability-
4 based Upgrade Worst-Performing Feeders program as feeder performance can be impacted by
5 numerous factors and is not limited to asset condition. Please identify the other factors that are
6 most likely to impact feeder performance and compare their incidence rates to the incident rate
7 associated with asset condition.

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10 A. Besides deteriorated assets, Newfoundland and Labrador Hydro’s (“Hydro”) feeder performance
11 is often impacted by adverse environments,¹ adverse weather, lightning, and interference by
12 foreign objects.² Table 1 compares the incident rate associated with asset conditions to the
13 incident rate associated with these other factors.

Table 1: 2022 Incident Rates for Hydro Distribution Feeders³

<u>Incident Cause</u>	<u>Incident Rates</u>
Deteriorated Assets	20%
Other Factors	80%

¹ Includes salt spray, industrial contamination, humidity, corrosion, vibration, fire, or flooding.
² Customer interruptions beyond the control of the utility such as birds, animals, vehicles, dig-ins, and foreign objects.
³ This data excludes outages due to loss of supply, planned outages, and customer requests.