

1 Q. **Reference: Application, Capital Programs and Projects, Widen Right of Way (2026–2028) –**
2 **Gros Morne National Park, page 3**

3 It is stated *“These TLs are among the worst-performing in Hydro’s system.”*

4 **a)** Please provide Tables 2, 3 and 4 with two additional columns showing the number
5 of customers that lost service during the outage event and the total number of
6 minutes of customer outages during the outage event.

7 **b)** Please provide tables similar to Tables 2, 3 and 4 for each of Hydro’s transmission
8 lines that are performing worse than TL226, TL227 and TP229 and identify the lines
9 that are redundant.

10 **c)** Does Hydro practice normal vegetation control on these right-of-ways?

11 **d)** Does Hydro have diesel generators that can supply the load in the Northern
12 Peninsula during transmission line outages?

13 **e)** What actions does Hydro take when there is an outage of TL226, TL227 or TL229?

14 **f)** Given that TL229 serving the communities of Glenburnie, Trout River, and Woody
15 Point is a non-redundant line, when there is an outage of TL229 do all customers in
16 these communities lose power for the full duration of the outage?

17 **g)** Given that TL229 serving the communities of Glenburnie, Trout River, and Woody
18 Point is the only non-redundant line (lines TL226 and TL227 are redundant, page 1),
19 why has Hydro not proposed to widen the right-of-way of only TL229?

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- 1 A. a) Tables 2, 3 and 4 are provided as requested below.

Table 2: Outages Due to Tree Contacts on TL226 (2015-2024)

Incident Number	Date	Outage Duration (Hr:Min)	Number of Customers	Total Customer Outage (Minutes)
1	January 27, 2015	2:56	2,127	374,352
2	December 25, 2015	21:21	2,127	292,306
3	July 13, 2017	15:26	2,127	207,926
4	August 16, 2018	4:04	2,127	471,032
5	September 8, 2019	5:04	2,127	263,748
6	September 9, 2019	15:52	2,127	140,382
7	November 7, 2019	12:01	2,127	402,251

Table 3: Outages Due to Tree Contacts on TL227 (2015-2024)

Incident Number	Date	Outage Duration (Hr:Min)	Number of Customers	Total Customer Outage (Minutes)
1	November 4, 2018	2:46	280	46,200
2	March 2, 2021	3:16	280	54,880
3	April 12, 2021	3:06	280	27,160
4	April 26, 2021	1:49	280	30,520

Table 4: Outages Due to Tree Contacts on TL229 (2015-2024)

Incident Number	Date	Outage Duration (Hr:Min)	Number of Customers	Total Customer Outage Minutes
1	May 21, 2017	23:10	830	1,153,700
2	August 28, 2017	1:20	830	66,400
3	January 13, 2018	25:30	830	1,269,900
4	May 5, 2019	11:39	2,127	589,249
5	April 26, 2021	3:52	830	192,560

- 2 b) TL226, TL227 and TL229 are the worst-performing transmission lines with respect to tree
3 contacts in Newfoundland and Labrador Hydro's ("Hydro") system. There was only one

1 other service disruption caused by a tree contact on a transmission line in this time
2 period. This outage was on TL251 for a duration of 10 minutes in September 2016.

3 **c)** Hydro performs vegetation control on all of its right of ways (“ROWS”). Please refer to
4 PUB-NLH-043 of this proceeding for more information.

5 **d)** Hydro has diesel generators in Hawke’s Bay and St. Anthony that can supply partial load to
6 areas of the Northern Peninsula during transmission line outages. These generators
7 cannot supply load to customers supplied by TL229, which is a non-redundant line.

8 **e)** When there are outages due to tree contacts on TL226 and TL227, Hydro will first locate
9 the fault, then perform the appropriate switching to isolate the fault and return service to
10 customers. When the fault is rectified, reverse switching is performed to return the
11 system back to its original state.

12 When there are outages due to tree contacts on TL229, the fault must be rectified in order
13 to return service to customers.

14 **f)** Yes, when there is an outage of TL229 all customers in Glenburnie, Trout River, and
15 Woody Point lose power for the full duration of the outage.

16 **g)** TL226 and TL227 exhibit high frequencies of outages due to tree contacts as a result of
17 their narrow ROWs. While redundancy allows for quicker restoration to customers, Hydro
18 has proposed to widen these ROWs as in addition to forced outages, tree contacts pose an
19 electrical safety hazard to anyone travelling the ROWs, as well as a significant forest fire
20 risk. Therefore, it is necessary to remove trees on TL226, TL227, and TL229.