

1 **Distribution**
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3 **Q. Reference: "2025 Capital Budget Application," Newfoundland Power Inc.,**
4 **June 28, 2024, sch. B, Rebuild Distribution Lines, p. 26.**
5

6 **A wood pole that has rotted and failed a core test or has severe woodpecker**
7 **holes would be addressed within a year under the *Rebuild Distribution Lines***
8 **program.**
9

- 10 **a) Please provide details of the core test for a wood pole, including testing**
11 **procedures, average frequency, selection criteria, and analysis of results.**
12 **b) Please provide SAIDI and SAIFI statistics for each year from 2019 to 2023**
13 **for each line planned under the 2025 program scope in comparison to the**
14 **company average and the Electricity Canada Region 2 average.**
15

- 16 A. a) Newfoundland Power inspects wood poles on its distribution system in accordance
17 with its *Distribution Inspection and Maintenance Practices*. As outlined in this
18 document, during each distribution line inspection all wood poles require a detailed
19 visual inspection, which are completed by one of the Company's T&D Planners.
20 Depending on the results of the visual inspection, a sounding test may be
21 performed. If the visual inspection and/or the sounding test indicate a problem, a
22 core-sampling test may be performed to aid in the evaluation of the pole.
23

24 Core sampling tests are performed using an approved core sampling device. By
25 drilling through the centerline of the pole, a core sample can be extracted for
26 evaluation. The location of bore holes is determined by the sounding test. Bore holes
27 are then plugged with a tight fitting, treated wooden plug. To avoid transfer of
28 decay, the core sampler must be cleaned with an approved fungicide.
29

30 The T&D Planner will visually evaluate the core sample to identify rot or decay and
31 use it to help assign a deficiency rating for the pole if necessary. The wood core
32 sample is then discarded.
33

34 As the use of a core sample test is at the discretion of the Company's qualified T&D
35 Planners and samples are discarded after evaluation, Newfoundland Power does not
36 have data to determine the average frequency of wood pole core tests.
37

- 38 b) The Company notes that the comparison between feeder-level statistics, the
39 Company's system-level corporate statistics, and Electricity Canada Region 2
40 statistics is not truly meaningful due to differences in how the data has been
41 recorded. Feeder-level statistics have been compiled from Newfoundland Power's
42 Worst Performing Feeders list and include only distribution-level unplanned outages.
43 System-level Corporate and Electricity Canada statistics include transmission and
44 substation outages along with planned outages. Data collected from the new Outage
45 Management System includes more granularity when compiling feeder-level
46 statistics, but this data is only available to 2020.

1 Refer to Table 1 for the requested SAIDI statistics and Table 2 for SAIFI statistics.

Table 1: SAIDI - 2025 Rebuild Distribution Lines Program ¹						
Feeder	SAIDI					
	2019	2020	2021	2022	2023	
CAB-01	3.30	3.25	1.98	2.28	0.74	
CAR-02	0.63	0.00	0.13	0.30	0.65	
CAT-03	0.00	1.64	0.26	1.20	0.80	
CLV-03	1.88	0.04	0.04	0.18	0.10	
DLK-04	0.98	0.35	0.16	1.32	5.35	
GAL-04	0.20	0.24	0.10	0.05	1.39	
GAN-01	0.57	1.02	0.75	0.02	0.00	
GAN-02	0.52	2.85	0.46	0.46	0.37	
GAR-01	1.39	0.70	2.47	2.82	0.08	
GBY-03	0.29	4.80	0.10	5.93	0.94	
GLV-01	0.37	0.44	3.24	2.09	0.11	
GOU-03	0.40	0.14	1.26	1.74	2.26	
GRH-03	1.02	4.71	3.90	1.57	0.31	
HGR-01	3.15	0.08	0.24	0.15	2.73	
HWD-06	1.58	0.87	1.39	0.05	0.17	
HWD-07	1.57	1.46	0.10	1.07	0.76	
HWD-09	0.47	0.71	1.81	0.46	1.63	
KEN-05	0.13	0.01	0.15	0.97	0.04	
LET-01	0.28	0.65	0.43	1.61	0.84	
LEW-01	0.79	0.25	0.30	0.40	0.10	
LEW-03	6.81	4.06	1.85	0.19	3.27	
LEW-04	12.73	0.58	0.17	0.34	1.58	
MMT-01	4.31	6.41	3.48	0.41	0.09	
MOL-01	2.32	1.04	1.67	0.01	0.16	
MOL-02	0.63	0.05	1.03	2.35	0.18	

¹ Feeder-level reliability considers unplanned outages excluding transmission, substation, loss of supply and major events.

MOL-04	2.43	0.18	0.12	2.14	1.21
MOL-05	0.01	1.08	3.00	0.16	0.40
MOL-06	0.03	0.38	1.70	0.30	0.01
MOL-08	1.33	0.01	0.12	0.26	0.07
MOL-09	0.11	0.19	0.17	0.26	0.77
MSY-02	1.99	0.51	0.67	0.46	1.78
OXF-01	1.36	0.72	0.65	0.50	0.37
PAB-05	6.42	2.89	3.46	15.00	1.93
SCR-01	3.49	6.74	9.58	3.67	0.92
SCR-02	0.00	8.90	0.05	0.00	1.12
SLA-03	0.02	0.01	1.37	1.23	0.00
SLA-07	0.04	0.30	1.37	0.56	0.02
SPF-02	0.65	1.56	0.90	1.51	0.18
SPF-03	0.02	0.01	0.08	0.17	0.06
STX-01	0.26	0.25	0.29	0.48	10.44
TRP-01	5.23	2.38	6.59	1.80	2.57
TWG-02	0.20	7.88	11.65	1.05	0.11
WAL-04	0.19	10.25	0.92	0.20	0.17
WAL-05	2.01	0.08	0.42	3.77	3.40
Newfoundland Power Average ²	2.34	2.97	2.48	3.03	2.62
Electricity Canada Region 2	4.92	4.34	3.83	4.36	4.89

² Newfoundland Power and Electricity Region 2 SAIDI values are from Newfoundland Power's 2025 Capital Budget Application, 2025 Capital Budget Overview, Figure 2. These SAIDI values consider all outages except the loss of supply and major events.

Table 2: SAIFI - 2025 Rebuild Distribution Lines Program ³						
Feeder	SAIFI					
	2019	2020	2021	2022	2023	
CAB-01	2.00	1.20	3.22	1.66	1.76	
CAR-02	1.02	0.00	0.07	0.16	0.15	
CAT-03	0.00	2.00	1.00	1.00	0.80	
CLV-03	1.38	0.02	0.02	0.04	0.04	
DLK-04	0.34	0.11	0.07	1.98	2.83	
GAL-04	0.09	1.12	0.08	0.02	0.47	
GAN-01	1.00	0.99	1.01	0.00	0.00	
GAN-02	0.08	6.03	0.30	0.19	0.15	
GAR-01	2.06	0.32	2.26	2.04	0.01	
GBY-03	5.81	1.84	0.02	1.68	2.36	
GLV-01	1.18	1.20	3.06	3.21	0.09	
GOU-03	0.23	2.03	1.17	2.55	4.17	
GRH-03	2.19	3.80	3.41	0.55	2.04	
HGR-01	2.43	0.05	0.09	0.09	1.02	
HWD-06	1.06	3.66	0.77	0.02	0.11	
HWD-07	3.72	6.06	0.05	0.37	0.36	
HWD-09	1.10	4.12	1.78	1.23	1.40	
KEN-05	1.00	0.01	0.09	1.99	0.03	
LET-01	0.14	0.35	0.28	2.06	0.33	
LEW-01	2.08	1.01	0.17	1.19	0.06	
LEW-03	12.43	7.17	1.95	1.10	2.05	
LEW-04	13.45	1.41	0.07	1.16	0.83	
MMT-01	5.21	3.79	2.99	0.21	0.08	
MOL-01	1.02	1.71	2.09	0.01	0.08	
MOL-02	1.20	0.05	0.18	0.41	0.12	
MOL-04	1.16	1.58	0.05	2.17	1.28	
MOL-05	0.01	3.45	2.20	0.10	0.21	

³ Feeder reliability considers unplanned outages excluding transmission, substation, loss of supply and major events.

MOL-06	0.36	0.09	2.18	0.15	0.01
MOL-08	1.99	0.01	0.05	0.20	0.02
MOL-09	0.07	0.09	0.12	1.08	1.08
MSY-02	3.13	0.22	2.72	0.20	3.28
OXP-01	1.05	0.44	0.62	0.27	0.14
PAB-05	4.41	4.03	2.31	4.42	1.15
SCR-01	1.43	3.17	3.79	1.11	1.16
SCR-02	0.00	3.00	1.00	0.00	1.00
SLA-03	0.02	0.01	1.00	1.44	0.00
SLA-07	0.03	0.33	1.00	1.12	0.00
SPF-02	0.31	2.09	1.47	0.49	1.13
SPF-03	0.03	0.00	0.06	0.08	1.05
STX-01	0.14	1.11	0.15	0.20	1.99
TRP-01	2.35	0.46	1.50	1.40	0.68
TWG-02	0.08	6.17	6.16	0.32	1.05
WAL-04	0.08	5.70	1.99	0.11	2.01
WAL-05	1.02	0.03	2.95	4.06	6.00
Newfoundland Power Average ⁴	1.62	2.32	1.96	2.05	2.04
Electricity Canada Region 2	1.99	1.89	1.81	1.96	2.13

⁴ Newfoundland Power and Electricity Region 2 SAIFI values are from Newfoundland Power's *2025 Capital Budget Application, 2025 Capital Budget Overview*, Figure 3. These SAIFI values consider all outages except the loss of supply and major events.