

1 **Reference: "2023 Capital Budget Application," Newfoundland Power Inc., June 29,**
 2 **2022, 2023 Capital Budget Overview, Appendix C, p. 3, Table C-1.**
 3

- 4 **Q. a) Please provide the percentage of distribution feeders/lines that serve**
 5 **greater than 5,000 customers.**
 6
 7 **b) Please provide the percentage of transmission lines that serve greater**
 8 **than 5,000 customers.**
 9
 10 **c) Please provide the percentage of substations that serve greater than**
 11 **5,000 customers.**
 12
 13 **A. a) None of Newfoundland Power's distribution feeders serve greater than 5,000**
 14 **customers.¹**
 15
 16 **b) Approximately 45% of Newfoundland Power's transmission lines serve greater**
 17 **than 5,000 customers.²**
 18
 19 **c) Approximately 12% of Newfoundland Power substations serve greater than**
 20 **5,000 customers.³**

¹ Newfoundland Power operates over 300 distribution feeders that directly serve customers. Under normal operating conditions, the feeder with the greatest number of customers is HWD-08, which supplied 2,667 customers in December 2021.

² Newfoundland Power operates 105 transmission lines that directly serve customers. Under normal operating conditions, 47 serve greater than 5,000 customers. Transmission lines that do not directly supply customers, such as generation station lines 21L and 22L, were excluded from this calculation. In the case of radial transmission networks consisting of multiple radial lines, customer counts downstream of any radial line were considered. For example, customers supplied by Transmission Line 94L also include customers supplied by Transmission Line 95L.

³ Of the 108 Newfoundland Power substations that directly serve customers, 13 serve greater than 5,000 customers. Under normal operating conditions, the substation supplying the greatest number of customers is Hardwoods, which supplied 10,568 customers in December 2021.