

- 1 **Q.** (Reference Application, 2024 Capital Budget Overview, page 5) It is stated  
 2 "*Newfoundland Power owns and operates approximately 9,500 kilometres of*  
 3 *distribution line, approximately 2,100 kilometres of transmission line, 131*  
 4 *substations, 23 hydro generating plants and six thermal generating plants to*  
 5 *serve its customers.*"  
 6  
 7 a) How many transmission lines are dedicated to serving a single customer?  
 8 Please identify the benefiting customer.  
 9 b) How many distribution lines are dedicated to serving a single customer?  
 10 Please identify the benefiting customer.  
 11 c) How many of the 131 substations serve a single customer? Please identify  
 12 the benefiting customer.  
 13 d) In the above cases, how are operating and maintenance costs allocated to  
 14 the single benefiting customers?  
 15 e) In the above cases, how are capital costs allocated to the single benefitting  
 16 customers?  
 17  
 18 A. a) Newfoundland Power currently has two transmission lines dedicated to serving a  
 19 single customer. Table 1 below identifies these lines and the customer served.

Table 1 Transmission Lines Serving 1 Customer	
Line	Customer
36L	Memorial University
104L	Beaverbrook Antimony Mine

- 20 b) Newfoundland Power currently has no distribution feeders dedicated to serving a  
 21 single customer.

- 1 c) Newfoundland Power currently has two substations dedicated to serving a single  
2 customer. Table 2 below identifies these lines and the customer served.

Substation	Customer
LPD	Memorial University <sup>1</sup>
RFD <sup>2</sup>	Beaverbrook Antimony Mine

- 3 d) Newfoundland Power requires a Contribution in Aid of Construction ("CIAC") from a  
4 customer when the cost to provide and maintain the line extension or upgrade will  
5 not be recovered through the electricity rates paid by those customers. Requiring a  
6 CIAC from customers ensures that the cost to provide the customer with service is  
7 not borne by other Newfoundland Power ratepayers.

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9 The amount of a customer CIAC is calculated in accordance with the Company's  
10 approved General Service Contribution in Aid of Construction Policy and includes the  
11 capital costs as well as an allowance for future operating and maintenance costs.<sup>3</sup>  
12 Newfoundland Power CIACs are subject to review by the Board.<sup>4</sup>

- 13  
14 e) See the response to part d).

<sup>1</sup> Memorial Substation ("MUN") is not considered to be dedicated to Memorial University since it is a part of the 66 kV transmission system supplying customers in St. John's Region. See the response to Request for Information PUB-NP-013 for additional information regarding MUN Substation.

<sup>2</sup> The Roycefield ("RFD") Substation consists of a fenced yard and a high-voltage switch that enables Transmission Line 104L to be isolated at the point where the line leaves the Trans-Canada Highway right-of-way and goes approximately 40 kilometres across country to the mine site.

<sup>3</sup> Newfoundland Power's *Residential and General Service Contribution in Aid of Construction Policies, Effective January 26, 2023*, were approved by the Board in Order No. P.U. 1 (2023). See the response to Request for Information CA-NP-028 Attachment A for a copy of the policies.

<sup>4</sup> See Newfoundland Power's *Schedule of Rates, Rules & Regulations, Effective July 1, 2023*, Regulation 9(c).