

- 1 **Q. (Reference CA-NP-030, Attachment A and CA-NP-049)**
 2 **a) Why is the LCV Substation customer-owned? Is the Rate #2.4 customer**
 3 **that owns LCV substation also served from another substation? Are the**
 4 **costs of the LCV substation included in rate base and how are the costs**
 5 **allocated to customers?**
 6 **b) Does the Rate #2.4 customer that owns the LCV Substation also own**
 7 **transmission line 410L? Are the costs of transmission line 410L included in**
 8 **rate base and how are the costs allocated to customers?**
 9 **c) Is the RFD Substation customer-owned? Why or why not? Is the Rate #2.4**
 10 **customer served by the RFD Substation also served from another**
 11 **substation? Are the costs of the RFD substation included in rate base and**
 12 **how are the costs allocated to customers?**
 13 **d) Does the Rate #2.4 customer served from the RFD Substation own**
 14 **transmission line 104L? Are the costs of transmission line 104L included in**
 15 **rate base and how are the costs allocated to customers?**
 16 **e) Is the LPD Substation owned by Memorial University? Why or why not? Are**
 17 **the costs of the LPD Substation included in rate base and how are the costs**
 18 **allocated to customers?**
 19 **f) Is line 36L that terminates at the LPD Substation owned by Memorial**
 20 **University? Why or why not? Are the costs of line 36L included in rate base**
 21 **and how are the costs allocated to customers?**
 22 **g) For the LCV, RFD, LPD and MUN Substations, please provide a table showing**
 23 **all capital and operating and maintenance costs expended by NP over the**
 24 **past 20 years and indicate how much of each expenditure was paid for by**
 25 **the Rate #2.4 customer served from the relevant substation.**
- 26
- 27 **A. a) The Rate #2.4 customer served by Transmission Line 410L at Lower Cove ("LCV")**
 28 **Substation operates a quarry and constructed the necessary electrical facilities to**
 29 **power the equipment at the facility. To connect to Newfoundland Power's electricity**
 30 **system, the customer was required to pay a Contribution in Aid of Construction**
 31 **towards the cost of constructing the 8.9 kilometre transmission line extension in**
 32 **1988.**
- 33
- 34 The Rate #2.4 customer served by Transmission Line 410L is also served by
 35 Abrahams Cove ("ABC") Substation distribution feeder ABC-01. This feeder serves
 36 multiple other Rate #2.1 and Rate #2.3 accounts.¹
- 37
- 38 Costs that are recovered through a customer contribution are not included in
 39 Newfoundland Power's rate base to ensure those costs are not allocated to
 40 Newfoundland Power's other customers.
- 41
- 42 Whether a customer owns certain electricity system assets versus other electricity
 43 system assets is dependent on a number of factors, including the ability of the
 44 customer to operate and maintain the equipment.

¹ Some of these other general service accounts required a 3.6 kilometre distribution line extension to ABC-01 under a Contribution in Aid of Construction that was approved in Order No. P.U. 25 (2001-2002).

1 b) Newfoundland Power owns Transmission Line 410L. The section serving the
2 customer at the LCV Substation was funded by the customer in accordance with the
3 Company's Contribution in Aid of Construction Policy.
4

5 See part a) for how Newfoundland Power addresses costs that require a customer
6 contribution.
7

8 c) Newfoundland Power owns the Roycefield Tap ("RFD") Substation and Transmission
9 Line 104L that extends from RFD Substation to the customer's electrical equipment
10 at the mine site. To connect to Newfoundland Power's electricity system, the
11 customer was required to pay a Contribution in Aid of Construction towards the
12 construction of RFD Substation and Transmission Line 104L.²
13

14 The Rate #2.4 customer served by the RFD Substation is not served from another
15 substation.
16

17 See part a) for how Newfoundland Power addresses costs that require a customer
18 contribution.
19

20 d) See the response to part c).
21

22 e) The Long Pond ("LPD") Substation is located on Memorial University's north campus.
23 It contains equipment that is owned by Newfoundland Power as well as equipment
24 that is owned by Memorial University.³ Transmission Line 36L extends from the
25 Oxen Pond ("OXP") Terminal Station to the LPD Substation. Costs associated with
26 Newfoundland Power owned equipment at the LPD Substation as well as costs
27 associated with constructing Transmission Line 36L were fully recovered through a
28 contribution paid by the customer.⁴
29

30 See part a) for how Newfoundland Power addresses costs that require a customer
31 contribution and customer ownership.
32

33 f) See the response to part e).
34

35 g) The capital costs associated with the RFD, LPD, and MUN Substations from 2002 to
36 2022 are provided in Table 1. Newfoundland Power did not have any capital
37 expenditures associated with the LCV Substation. Newfoundland Power does not
38 track specific operating costs for each of its substations.

² Construction of the RFD Tap Substation and transmission line were approved in Order No. P.U. 9 (1996-1997).

³ Newfoundland Power owned equipment includes the 66 kV transmission equipment, the 66 kV to 12.5 kV power transformer, and associated breakers and auxiliary equipment. Memorial University owned equipment includes the 12.5 kV distribution equipment used to provide electricity to Memorial University's load.

⁴ See Order No. P.U. 5 (2019).

Table 1 Substation Capital and Operating Costs 2002 to 2022 (\$000s)	
Substation	Capital (\$000s)
RFD	11
LPD	2,382 ⁵
MUN ⁶	327

⁵ As per Order No. P.U. 5 (2019), the customer was required to pay a contribution towards the construction of the LPD Substation as well as an allowance for future operating costs.

⁶ The amount for MUN Substation excludes the \$1.6 million approved in Order No. P.U. 14 (2023).