

- 1 **Q. (Reference CA-NP-030, Attachment A) Please comment on the impact of the**
2 **following scenarios on the supply to: 1) Memorial University, and 2) NP**
3 **customers other than Memorial University.**
4 **a) Removal of transmission line 36L from service.**
5 **b) Removal of the LPD Substation from service.**
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7 A. Transmission Line 36L originates at Oxen Pond Substation and radially supplies Long
8 Pond Substation on the Memorial University Campus. In Order No. P.U. 5 (2019), the
9 Board approved the construction of both Transmission Line 36L and Long Pond
10 Substation as special facilities requiring customer contribution of \$4,600,000.¹ In Order
11 No. P.U. 38 (2022), the Board approved the expansion of Long Pond Substation as an
12 Access project to provide adequate electrical supply for Memorial University's boiler
13 electrification project.
14
15 a) If Transmission Line 36L is removed from service, the Long Pond Substation is also
16 removed from service. This will result in an outage to all Memorial University
17 campus facilities being supplied by Long Pond Substation. This could include the
18 Health Sciences Centre and other medical facilities, the Core Science Building and
19 the new electric boilers.² Some of the Health Sciences Centre and other medical
20 facility load can be restored via Memorial Substation following a brief outage. The
21 electric boilers would remain out of service until Transmission Line 36L and Long
22 Pond Substation were restored. Removing Transmission Line 36L and Long Pond
23 Substation from service would affect no other Newfoundland Power customers.
24
25 b) See the response to part a) above.

¹ Memorial University's request for a second power supply point was considered to be a special facility under clause 9(c) of Newfoundland Power's *Schedule of Rates, Rules & Regulations*, thereby requiring Memorial University to pay for the cost of providing the special facility.

² The new electric boilers will be served from a new power transformer LPD-T2 at Long Pond Substation.