

- 1 **Q. (Reference CA-NP-030, Attachment A and CA-NP-049) Please comment on the**
 2 **impact of the following scenarios on the supply to: 1) the Beaverbrook**
 3 **Antimony Mine, and 2) NP customers other than the Beaverbrook Antimony**
 4 **Mine.**
 5 **a) Removal of transmission line 104L from service.**
 6 **b) Removal of the RFD Substation from service.**
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- 8 A. Transmission Line 104L originates at switch number RFD-104L-D in Roycefield Tap
 9 Substation on the Trans Canada Highway immediately west of the community of
 10 Glenwood.¹ From Roycefield Tap Substation, Transmission Line 104L travels
 11 approximately 40 kilometres to the Beaver Brook Antimony Mine Substation where it
 12 terminates on switch RMS-104L-A.² Reconfiguration of the Central Newfoundland
 13 Looped Transmission System has reduced Roycefield Tap Substation to a fenced yard
 14 with a 66 kV switch.
 15
- 16 a) If Transmission Line 104L was removed from service, only the Rate #2.4 customer
 17 served by Transmission Line 104L would be without service. No other Newfoundland
 18 Power customers would be without service.
 19
- 20 b) If Roycefield Tap Substation was removed from service, only the Rate #2.4
 21 customer served by Transmission Line 104L would be without service.³ No other
 22 Newfoundland Power customers would be without service

¹ A single line diagram of the Roycefield Tap Substation is provided as Attachment C of the response to Request for Information CA-NP-158.

² The Beaver Brook Antimony Mine Substation is customer-owned. The cost to construct Transmission Line 104L, the Roycefield Tap Substation and metering equipment included a Contribution in Aid of Construction in 1998.

³ When the Central Newfoundland Looped Transmission System was reconfigured, the existing 66 kV switch at Roycefield Tap Substation was left in service as an isolating point where the transmission line leaves the road right-of-way to travel 40 kilometres cross country to the mine site.