

1 **Q. Reference: NLH-NP-003.**

2 **a) Newfoundland Power states that APT-02 was first energized in 2023.**
 3 **Please reconcile this with the statement from the application:**

4
 5 **Distribution feeder APT-02 serves 949 customers in Portugal Cove. A**
 6 **1.6 kilometre section of distribution feeder extending Neary's Pond**
 7 **Road is overloaded. Load growth on this two-phase line can be**
 8 **attributed to customer connection growth and electrical service**
 9 **upgrades in the area. The number of customers supplied by this two-**
 10 **phase line has increased by 27% over the last 15 years.**

11
 12 **b) Was the overloaded condition on the relevant section of APT-02 known at**
 13 **the time of construction? If so, why was this condition not addressed at**
 14 **that time?**

15
 16 A. a) Prior to the construction of the Airport ("APT") substation and energization of
 17 distribution feeder APT-02, the customers served by the overloaded two-phase
 18 section of line were served by Pulpit Rock ("PUL") distribution feeder PUL-04.

19
 20 b) Yes, the overloaded condition on the two-phase line extending Neary's Pond Road
 21 was known at the time of construction of the distribution feeder APT-02 exit. The
 22 construction of the distribution feeder APT-02 exit was completed as one of the
 23 three new distribution feeder exits for the APT substation as part of Newfoundland
 24 Power's *St. John's North – Portugal Cove Substation Project*.¹ The two-phase line
 25 extending along Neary's Pond Road was originally supplied from distribution feeder
 26 PUL-04 prior to the construction of the distribution feeder APT-02 exit. Upon
 27 energization of the distribution feeder APT-02, the surrounding distribution feeders
 28 were reconfigured, which resulted in the two-phase line extending Neary's Pond
 29 Road being supplied from distribution feeder APT-02.

30
 31 Loading on individual single and two-phase sections of distribution line are examined
 32 and prioritized on a case-by-basis when warranted by operational concerns.
 33 Newfoundland Power first identified the potentially overloaded section of distribution
 34 line extending Neary's Pond Road in the Company's five-year capital plan as part of
 35 its *2022 Capital Budget Application*. At the time, the Company identified other
 36 feeders as having overload conditions of greater magnitude and severity and
 37 upgrades to the two-phase section of line extending along Neary's Pond Road were
 38 deferred to a future year.

¹ See Order No. P.U. 10 (2021), page 2, lines 43-44.