Q. **Reference: Application, Attachment 1, Page 27, Line 4**

On Page 27 at Line 4, Hydro states:

> The construction of two new 25 kV distribution lines to 66 kV standards...

Please describe the benefits of constructing a 25 kV distribution line to 66 kV standards. In describing the benefits, please discuss the design difference that give rise to the benefits. What is the incremental cost per kilometer of a 25 kV distribution line built to 66 kV standards compared to a similar line built to 25 kV standards?

A. The two new 25 kV distribution lines will utilize 66 kV pole standards only. This results in an increase to the size and strength class of poles utilized for the design of the lines which increases the overall mechanical strength of the line. The remainder of line, including insulation and conductor type, will be designed to current 25 kV standards.

For the purpose of this proposal, the incremental cost of a 25 kV distribution line built to the 66 kV pole standard is approximately 4–5%, or $10,000 per km. Given the remoteness of the location and the harsh conditions which can be experienced in this area of Labrador, Newfoundland and Labrador Hydro believes the additional cost incurred to construct these 25 kV distribution lines to the 66 kV pole standard is a prudent expenditure as it will contribute to improved reliability of the line and reduce the total number and duration of potential outages to southern Labrador customers.