

1 Q. **Reference: Volume II, 2021 Capital Projects over \$500,000, Wood Pole Line Management**
2 **Program (2021), Appendix A, Figure A-1**

3 Based on Figure A-1 it appears that approximately 30% of Hydro's wood poles are projected to
4 last in excess of 100 years. Please provide the evidence supporting this projection.

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7 A. Survival Curves are used to predict the useful life and retirement age of assets. Figure A-1 shows
8 a Survival Curve that was developed by applying the Iowa Curve statistical methodology to
9 historical transmission pole inspection and replacement data collected by Newfoundland and
10 Labrador Hydro ("Hydro"). As the curve currently exists, it projects that approximately one third
11 of Hydro's wood transmission poles may possibly reach 100 years of age before requiring
12 replacement; however, as this curve is updated with new inspection and replacement data the
13 projected survival of Hydro's wood transmission poles may decrease (or increase) depending on
14 the new data.