

1 Q. **Reference: Application**

2 Has Hydro identified zones on the power system where deterioration of equipment is greater
3 owing to such things as corrosion, insect infestation, etc?

4

5

6 A. In general, deterioration of distribution and transmission line equipment due to corrosion
7 occurs at a higher rate in coastal communities versus communities located further inland due to
8 the effects of salt spray associated with high winds off the ocean. Typically, lines inland are not
9 exposed to the same type of conditions; therefore, the line components do not deteriorate in a
10 similar manner.

11 Deterioration of transmission line equipment, specifically steel towers, due to corrosion occurs
12 at a higher rate near industrial areas such as the Come By Chance Oil Refinery versus other
13 locations throughout the province of Newfoundland and Labrador. Typically, Hydro does not
14 experience significant corrosion on steel towers due to normal environmental conditions.

15 Insect infestations are rare and are not prevalent in any particular zone. When an infestation is
16 discovered, a wood preservative is applied to prevent rot and insect attacks.