

- 1 **Q: Reference: *Review of Newfoundland and Labrador Hydro Power Supply***
2 ***Adequacy and Reliability Prior to and Post Muskrat Falls Final Report, Page 17.***
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4 ***"Hydro has taken pollution levels and forest fires into account in the design of the***
5 ***insulation of the HVdc OHL. Longer insulator strings will be used in areas subject***
6 ***to higher levels of contamination. "***,
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8 **and the response to Request for Information PUB-NLH-516:**
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10 ***"Heavy pollution (e.g., salt fog) or forest fires can cause flashovers. However,***
11 ***environmental conditions, including salt contamination and natural or man-made***
12 ***sources of pollution, are standard design inputs for insulators. Longer insulator***
13 ***strings have been specified in areas with higher levels of contamination. "***
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15 **To what extent has Liberty checked the adequacy of the insulation**
16 **requirements adopted by Hydro in heavily polluted areas?**
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19 A. Liberty has not checked the adequacy of the insulation requirement adopted by
20 Hydro. However, we are aware that Hydro took advice from STRI, Sweden
21 concerning the design of the insulators (PUB-NLH-299 and GRK-NLH-033). STRI
22 is a knowledgeable and reputable insulator test facility and consultant.