

1 Q. **Reference: Application**

2 Please provide a summary of where Hydro has used laboratory testing to verify the need for  
3 asset replacement.

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6 A. Newfoundland and Labrador Hydro utilizes laboratory testing to help evaluate the condition of  
7 certain assets and inform asset management decisions including asset maintenance,  
8 replacement, or overhaul.

9 Examples of instances where Hydro has used laboratory testing to determine the need for asset  
10 replacement or refurbishment include: analysis of lube oil condition, coolant condition, and  
11 hydraulic fluid condition; transformer oil analysis (various properties including dielectric  
12 strength); wood pole preservative treatment retention analysis; boiler tube assessment; and  
13 boiler water analysis.