

1 Q. **Reference: Schedule 6, Program 17 Replace Instrument Transformers (2024-2025), Page 1,**  
2 **lines 10–12**

3 Why did Hydro determine that 40 years of age is the appropriate age to target replacement of  
4 instrument transformers and is this target consistent with Canadian utility practice?

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7 A. Newfoundland and Labrador Hydro (“Hydro”) determined that 40 years is the appropriate age  
8 to target replacement of instrument transformers, based on a combination of the  
9 manufacturer’s estimated service life and estimated service life inferred from Hydro’s own  
10 history of instrument transformer failures. Manufacturers recommend that the life of a high-  
11 voltage instrument transformer is approximately 30 to 40 years. Like other Canadian utilities,  
12 Hydro has replaced instrument transformers prior to 40 years of age due to poor condition and  
13 has also moved replacements out past 40 years to help balance its overall long-term plan.