

**Application for Approval of Refurbishment of the Hardwoods Gas Turbine Alternator  
Exciter End Bearing and the Purchase of an Exciter Bearing Liner and Thrust Pads**

- 1 Q. Please explain why the exciter bearing thrust pads were not previously identified as a critical  
2 spare by Newfoundland and Labrador Hydro given that the pads are an OEM recommended  
3 spare?  
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- 6 A. In 2014, the exciter bearing was identified as a critical spare for the Hardwoods Gas Turbine as  
7 part of Newfoundland and Labrador Hydro's critical spares review. As this bearing is a  
8 combination journal and thrust bearing, it was assumed that the recommended spare exciter  
9 bearing included both components. However, in early March 2019 during replacement of the  
10 bearings it was identified that the spare exciter bearing supplied by the generator original  
11 equipment manufacturer did not include the thrust pad.