

1 Q. **Reference: PUB-NLH-072.** In its response, Hydro advises that the Hardwoods Gas
2 Turbine was taken off-line due to the discovery of cracks in the rotor retaining rings
3 on inspection of the Stephenville Gas Turbine in 2012, raising a "catastrophic failure
4 risk". Please provide all records of all inspections of the rotor retaining rings, for
5 both the Hardwoods Gas Turbine and the Stephenville Gas Turbine, since the
6 respective installation of those Turbines.

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9 A. Inspection of the rotor retaining rings on both the Stephenville and Hardwoods Gas
10 Turbines requires significant dismantling and rotor removal and therefore does not
11 form part of Hydro's general maintenance program for these units. Hydro was not
12 aware of any specific need to inspect rotor retaining rings prior to the rotor rewind
13 project at Stephenville, when it was discovered that there were cracks in the rotor
14 retaining rings. As a result, considering the Hardwoods Gas Turbine was of similar
15 vintage and the rotor retaining rings were the same material, it was decided that
16 the rotor would be replaced in Hardwoods to eliminate the risk of a catastrophic
17 failure.