

1 Q. **References: Volume I, 2019 – 2023 Capital Plan, Appendix D: Gas Turbine Planning**
2 **Report, page D4 lines 9 - 12.**

3 *Hydro has investigated options to address these obsolescence issues*
4 *to allow the continued operation of the facilities to their originally*
5 *planned end of service dates (HWD 2025 and SVL2028). These*
6 *options included status quo operation, repowering the facilities,*
7 *conversion to synchronous condenser facilities as well as early*
8 *retirement.*

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10 Why was the alternative of replacing the existing 50 MW gas turbine generators
11 with new units of similar capability not an option worthy of consideration?

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14 A. The scope of the “Gas Turbine Planning Report” was to determine the obsolescence
15 issues affecting the reliability of the existing Hardwoods and Stephenville gas
16 turbine. The solutions presented consisted of those which will reduce or eliminate
17 the obsolescence issues and address reliability of the existing facilities.

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19 Hydro is currently undertaking a Supply Adequacy Study, due to be filed with the
20 Board in November 2018, which will assess the long-term supply adequacy for the
21 Island Interconnected System. The requirement for any additional sources of
22 supply, including the potential requirement for new or replacement gas turbine
23 facilities, will be assessed as part of that study.