

1 Q. **Reference: Application, Capital Programs and Projects, Perform Boiler Condition Assessment**  
2 **and Miscellaneous Upgrades (2026) page 1**

3 It is stated *"This project has been completed annually since 2017 and has been*  
4 *integral in supporting the safe and reliable operation of steam supply systems at*  
5 *the Holyrood TGS."*

6 a) Since this project has been done every year since 2017, has the cumulative effect  
7 resulted in a reduction in risk, or an increase in reliability?

8 b) If this project were to be undertaken every second year, what would be the impact  
9 on risk mitigated per \$1 million?

10 c) In any year, once this project is completed, is there any assessment of the need to  
11 undertake it the next year?

12  
13  
14 A. a) The cumulative effect of this project is both a reduction in risk and sustaining reliability,  
15 based on operations and maintenance and consultant recommendations. Issues that are  
16 planned to be addressed, as well as important new issues found, are corrected in a timely  
17 manner, reducing the risk of equipment failures and/or forced outages.

18 b) Newfoundland and Labrador Hydro ("Hydro") would not consider the implementation of  
19 this project on a two-year interval. Hydro's experience with this project has demonstrated  
20 that assessment and miscellaneous upgrades are required on an annual basis. Deferral of  
21 inspections for deteriorated components that are approaching critical time to failure would  
22 preclude Hydro from assessing the unit boilers and high energy steam piping, and  
23 intervening to prevent in-service failure of the assets. This would present a risk to safe and  
24 reliable operations of the Holyrood Thermal Generating Station.

25 c) At the end of each project to Perform Boiler Condition Assessment and Miscellaneous  
26 Upgrades, the boiler service contractor prepares a condition assessment report which  
27 defines the condition assessment needs for future years. As well, any requirements for

1 capital refurbishment work that were discovered during completion of the annual  
2 maintenance, but could not be addressed during the current year due to schedule, are  
3 identified by the boiler contractor and recommended for inclusion in the project for the  
4 following year. Hydro reviews and makes a decision on these recommendations annually.