

1 Q. What projects, and what project costs, will Hydro be including in its 2021 Capital Budget
 2 Application for Holyrood TGS and the Hardwoods and Stephenville gas turbines?

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5 A. Newfoundland and Labrador Hydro’s (“Hydro”) 2021 Capital Budget Application (“2021 CBA”)
 6 includes Holyrood Thermal Generation Station (“Holyrood TGS”) steam generation projects and
 7 post-steam projects. There are no projects in the 2021 CBA required to maintain generating
 8 capability at the Hardwoods and Stephenville Gas Turbines. The generation projects are shown
 9 in Table 1, and the post-steam projects are shown in Table 2, including project estimates.

Table 1: Holyrood TGS Generation Projects¹

Project	Project Estimate
Overhaul Unit 1 Turbine and Valves ²	\$8,026,600
Boiler Condition Assessment and Miscellaneous Upgrades	\$3,000,000
Overhaul Unit 3 Boiler Feed Pump East ³	\$373,000

Table 2: Holyrood TGS Post-Steam Projects⁴

Project	Project Estimate
Thermal In-Service Failures	\$2,000,000
Upgrade Waste Water Equalization System (2021–2022)	\$2,361,100
Inspect Chemical Tanks	\$919,800
Upgrade Distributed Control System Hardware (2021–2022)	\$728,600
Overhaul Unit 3 Generator	\$572,700

¹Hydro’s 2021 Capital Budget Application, “Holyrood Thermal Generating Station Overview Future Operation and Capital Expenditure Requirements,” page 6, lines 8-14.

² In Hydro’s 2019 Reliability and Resource Adequacy (“RRA”) Update, the Overhaul Unit 1 Turbine was included forecasted to cost approximately \$6,800,000. Since the update it was identified that the turbine valves also require an overhaul, increasing the overall project total amount required.

³ This project was not included in Hydro’s 2019 RRA Update but has since been identified as required.

⁴ The 2019 RRA Update included 2021 capital projects titled: Replace one of North or South Instrument Air Receiver Systems Unit 3, Inspect Stacks, and Upgrade Property Fencing. The Replace one of North or South Instrument Air Receiver Systems Unit 3 has been deferred to 2022. The other two projects are currently on hold.