

Q. Reference: 2025 Build Application, Schedule 5: Avalon Combustion Turbine Project Evidence, page 7, lines 21-22.

Does the Avalon CT require Transmission Line TL218 to be in service in order to supply its capacity to the electricity grid?

A. The proposed Avalon Combustion Turbine (“CT”) Terminal Station (“HRDGT2”) will interconnect with the 230 kV transmission line TL218 at a location approximately 0.5 km from the existing Holyrood Terminal Station, as shown in Figure 1. The 0.5 km segment of TL218 between HRDGT2 and the Holyrood Terminal Station will be treated as a bus extension, while the remaining 37 km section extending from HRDGT2 to the Oxen Pond Terminal Station will continue to be designated as TL218.

Under normal operating conditions, if the bus extension is out of service, the Avalon CT will deliver power to the Oxen Pond Terminal Station via TL218. Conversely, if TL218 is out of service, the Avalon CT will supply power through the bus extension into the existing Holyrood Terminal Station. Therefore, the power from the Avalon CT can be delivered to the Island Interconnected System with the loss of any single transmission element, as per Newfoundland and Labrador Hydro’s Transmission Planning Criteria.

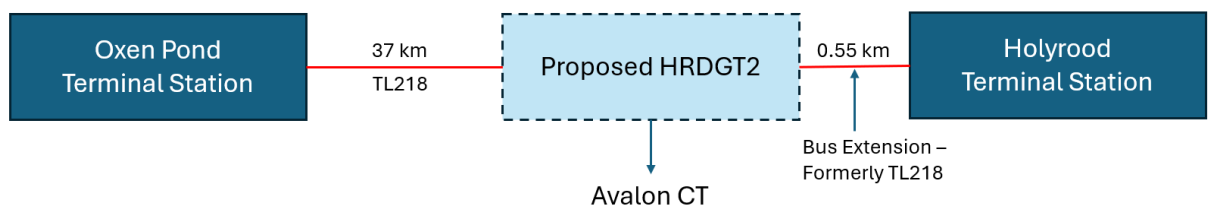


Figure 1: Proposed Avalon CT Interconnection