Q. **Reference: Teshmont Report - Section 5 – HVDC Reliability Data (Part 5.2) Data Provided by Nalcor Energy (pg 21):**

5.2. Data Provided by Nalcor Energy

"The forced outage rates and availability of the HVDC systems are highly dependent on their design, installation, and location (for example availability of a spare converter transformers and/or submarine cables can significantly improve the reliability of the overall system). Therefore, unless details of a specific system are available, an accurate estimate of its forced outage rates and availability cannot be calculated. For the purpose of this study, Teshmont is planning to use the following values, which are based on the information that was provided to Teshmont by Nalcor Energy."

What details of this specific system as regards its design installation or location were not made available to Teshmont?

A. Teshmont was given detailed specification data for the Labrador Island Link developed by SNC Lavalin and submitted to HVdc vendors. These documents included the General Technical Requirements, Performance Requirements, Cable Switching Study, and Reliability Study in addition to system maps. These documents contain specifications relating to reliability requirements and, in addition, detail relating to aspects such as spare converter transformers and submarine cables. The documentation was compiled to provide Teshmont with a basis to validate reliability parameters calculated by Nalcor Energy and to compare against industry standards.

Teshmont was not provided equipment design and installation specifications or HVdc transmission line structure specifications or designs. Location details were

provided in the form of system maps. It is noted that the study was performed on the basis that lines and equipment were designed in consideration of environmental conditions and consistent with industry standards.