Q. **Reference: *Structural Capacity Assessment of the Labrador Island Transmission Link (LITL)*, EFLA, April 28, 2020, pages 5-6.**

"The OPGW conductor has utilization exceedance up to 9% in the load case "Ice and Wind" in zones 3b, 4a, 4b, 6 and 10. The maximum utilization in the study was set at the damage limit of 80% of RTS. The increased utilization may lead to permanent elongation of the OPGW, however it is within the failure limit and should not break or result in a line outage. It may therefore be possible to accept a higher utilization value in few spans provided it is well below the failure limit. The strength capacity corresponds to approximately 90 years return period of loading."

Please provide the tensions limits of the OPGW as specified by Nalcor/Hydro and as provided by the manufacturer of the OPGW.

A. The tension limits for the optical ground wire ("OPGW") design for the Labrador-Island Link ("LIL") were specified by Nalcor Energy in consultation and agreeance with the OPGW manufacturer, following type tests and manufacturing. The limit is 80% of the Rated Tensile Strength ("RTS") of the OPGW. There are three separate types of OPGW used on the LIL; one has a RTS of 140 kN,[1] and the other two have an RTS of 278 kN.

[1] Kilonewton ("kN").