

1 Q. **Reference: Study, Section 7.2, page 31, table 11**

2 Preamble:

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4 "Thermal Upgrade of L23/L24 to 75°C conductor temperature".

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6 What is the current maximum operating temperature for the L23 and L24 conductors? Is  
7 the limitation due to the conductors sag or other factors? If it is the conductors sag, what is  
8 the solution proposed by NLH for thermally upgrading those lines?

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11 A. The current maximum operating temperature for L23 and L24 is 50°C. The limitation is due  
12 to conductor sag, as an increase in conductor temperature will cause increased conductor  
13 sag resulting in a ground clearance issue. Newfoundland and Labrador Hydro's  
14 recommended solution is remedial ground work and construction of mid-span structures  
15 along the length of the lines, as necessary.