

1 Q. Reference: Application, Page 7, Lines 22 - 24

2 Please provide a map of southern Labrador showing the transmission line route that was used to
3 create the preliminary cost estimates that Hydro prepared for the Interconnection to the
4 Labrador Interconnected System alternative.

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7 A. No map was developed for the preliminary cost estimates for the interconnection to the
8 Labrador Interconnected System alternative included in the referenced application. However, as
9 referenced in Newfoundland and Labrador Hydro's ("Hydro") response to NP-NLH-004, the
10 estimates included in the referenced application were based on high-level cost estimates
11 developed by Hydro in 2014 and updated in 2016 for the interconnection of all northern and
12 southern Labrador communities to the Labrador Interconnected System. Please see Figure 1 for
13 a map showing the 2016 proposed interconnection.

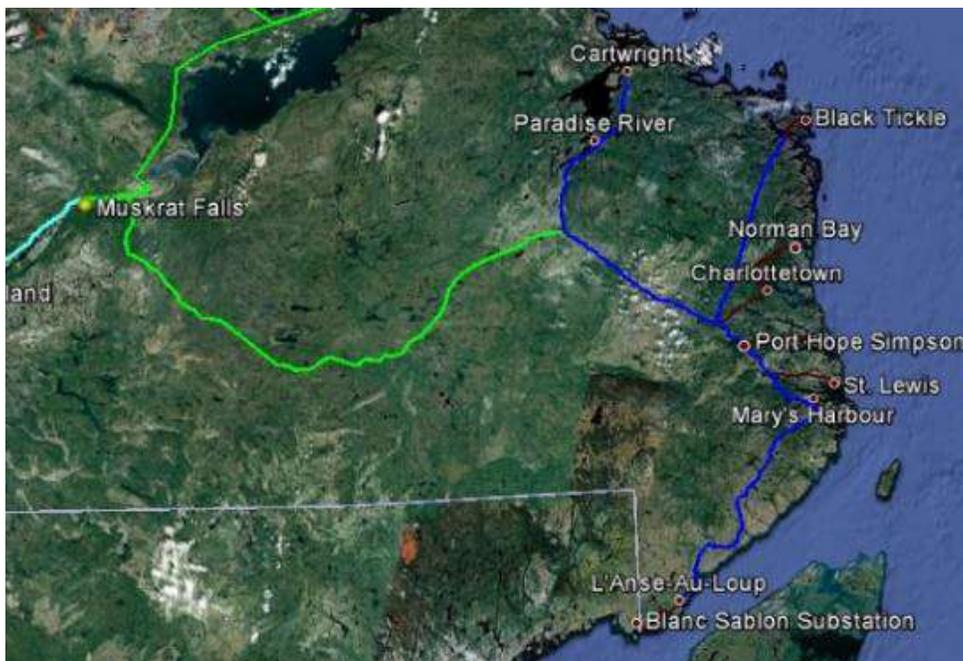


Figure 1: 2016 Preliminary All Southern Labrador Interconnection

1 The 2016 estimates included a radial 138 kV line (shown in green) from Muskrat Falls that
2 supplied electricity to a 138 kV to 66 kV terminal station located at highway junction to Paradise
3 River and Cartwright. Communities were then supplied with a 69 kV transmission lines (shown in
4 blue). In some cases, the voltage was further stepped down to 25 kV (shown in red).