

1 Q. **Reference: Study, Section 7.2.1, page 32, lines 11-14**

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3 To IOC's knowledge, Hydro-Quebec does not have a substation called "Bloom Lake", unless
4 it refers to the 315 kV that is privately owned by Quebec Iron Ore. Has Hydro-Quebec
5 provided further details on this substation? Is it existing or would it have to be built and, if
6 the latter, who will assume the construction costs (not included in the class 5 estimates)?

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9 A. The Bloom Lake 315 kV Terminal Station referenced in the "Labrador Interconnected
10 System Transmission Expansion Study" does refer to the terminal station owned by Quebec
11 Iron Ore. Hydro-Québec ("HQ") has not been asked, nor have they provided details on this
12 station. For the "Labrador Interconnected System Transmission Expansion Study"
13 Newfoundland and Labrador Hydro ("Hydro") used a simplified PSSE¹ Load Flow model
14 provided by HQ in which the Bloom Lake Terminal Station was the closest 315 kV station to
15 the proposed Flora Lake Terminal Station to be located near the Wabush Terminal Station.
16 HQ owns a 315 kV Terminal Station named Normand, which is approximately 5 km west of
17 the Bloom Lake Terminal Station.

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19 Included in the \$153.15 million cost estimate for interconnection to the Bloom Lake
20 Terminal Station was an assumed expansion cost of \$2.9 million for line termination. Hydro
21 assumed a new station would not be required. If the Bloom Lake Terminal Station is not
22 available for interconnection then the Normand Terminal Station would be the next option
23 for review. These details would be confirmed through the System Impact Study performed
24 by HQ once a decision is made to assess the HQ interconnection option.

¹ Power System Simulator for Engineers ("PSSE").