

1 Q. Please provide a current update on the status of the Labrador Island Link, and its
2 expected in-service operation date.

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5 A. The status of the Labrador-Island Link (LIL) has been reported to the Board on a
6 biweekly basis. The current forecast is for the LIL to be in service in bipole
7 configuration in the fall of 2019. Below is an excerpt from the March 18, 2019
8 biweekly report which provides the current operating status of the LIL:

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10 *As noted in the February 18, 2019 report, the cause of a trip on*
11 *February 5, 2019 was determined to be an overly sensitive feature*
12 *of the protection system. An investigation since the trip has led to a*
13 *better understanding of the root cause and the potential impact of*
14 *this sensitivity. Hydro has confirmed that, while such faults are*
15 *experienced infrequently, there are certain faults that could trigger*
16 *a Holyrood unit and the LIL to trip simultaneously. As a result, the*
17 *NLSO has restricted the combination of LIL and Holyrood unit*
18 *loading to adhere to its "maximum unit loading" limits. In addition,*
19 *Nalcor Power Supply has confirmed that this issue will require both*
20 *hardware and software changes, and that shifting focus of the*
21 *software development team to this issue with the monopole*
22 *software would introduce risk of delaying bipole. Given the*
23 *significant benefit of having bipole in place to enable deliveries from*
24 *the first unit at Muskrat Falls, the software development team have*
25 *not been reassigned to this protection sensitivity, and there is*
26 *potential that it may remain unresolved until bipole*
27 *implementation, which is currently forecast for the fall of 2019.*
28 *Investigation into options to mitigate the impact in the interim*
29 *period resulted in removal of the 45 MW limit that was initially*
30 *imposed in favor of the NLSO operating practice described above.*
31 *This allows maximum LIL deliveries while preventing customer*
32 *impact in the event of a simultaneous trip of the LIL and a Holyrood*
33 *unit.*

1 *Since the last reporting period, there was one trip on the LIL, which*
2 *occurred on March 7, 2019, when the LIL was transferring 70 MW.*
3 *The cause of the trip was a current transformer measurement error.*
4 *The issue was investigated but the event could not be replicated.*
5 *The current transformer is located in part of the electrode line*
6 *equipment and is not used in the present operating configuration.*
7 *Given the low impact of a recurrence of this issue, the LIL was re-*
8 *energized within a few hours. An investigation into a possible bypass*
9 *of this current transformer until the electrode line is required for*
10 *operation is underway.*