

1 Q. Please refer to page 14 of the Upgrade Transmission Line Corridor Report. Explain in
2 detail the local regulations concerning the use of ground return for bipolar schemes
3 operating in monopole configuration.

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6 A. No federal or provincial regulation limits the use of ground return for bipolar HVdc
7 schemes operating in monopolar configuration.

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9 During the environmental assessment for the Labrador-Island Link,
10 monopolar/ground return operation was expected to be required for approximately
11 40 hours per year. In addition, the release of chlorine and other electrolysis
12 products was modelled for both electrode sites assuming continuous
13 monopolar/ground return operation.

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15 The project was released from environmental assessment by the Government of
16 Newfoundland and Labrador and the Government of Canada with no operating
17 limitations related to monopolar/ground return operation, other than a
18 requirement for environmental effects monitoring to confirm the validity of effects
19 predictions made during the environmental assessment.