

1 Q. Please provide a list of the bipolar outage scenarios that will be studied for (a) the
2 Labrador Island Link and (b) the Maritime Link. For each of the outage scenarios,
3 please provide the expected restoration time from a bipolar outage to (a) one
4 operating pole and (b) both poles.

5

6

7 A. Bipolar outage scenarios considered for transmission system studies include
8 temporary (i.e., momentary) and sustained (i.e., other than momentary) bipolar
9 outages for each of the HVdc links. Simultaneous bipolar outages on each HVdc
10 Link were not considered as there are no common modes of failure identified. The
11 expected restoration times for bipolar outages are summarized in the availability
12 reports provided as attachments to PUB-NLH-212 and CA-NLH-50.