

1 Q. **Reference: *TP-TN-068 – Application of Emergency Transmission Planning Criteria for a***
2 ***Labrador Island Link Bipole Outage, July 30, 2019.***

3 Please provide the peak load served on the Island Interconnected System and the load served
4 through the 230 kV transmission corridor east of Bay D’Espoir for both the Avalon Capacity
5 Study and the TP-TN-068 – Transmission Planning Technical Note. In the response please state
6 the forecast year and whether the forecasts are P50 or P90.

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9 A. As per Newfoundland and Labrador Hydro’s response to NP-NLH-039, the load served on the
10 Island Interconnected System for the Avalon Capacity Study is approximately 1,775 MW and
11 reflects the P90 peak load forecast for 2028. In this case approximately 1,080 MW of customer
12 load is served through the 230 kV transmission corridor east of Bay D’Espoir and generation in
13 the eastern portion of the Island Interconnected System.

14 The cases referenced in the TP-TN-068 – Transmission Planning Technical Note are not peak
15 load cases and therefore do not reflect P50 or P90 conditions for a particular year. Rather, these
16 cases represent the maximum load that can be supported by the existing transmission system
17 when the Labrador-Island Link bipole is out of service.

18 Base Case 1 reflects the case with maximum island generation and 300 MW of Maritime Link
19 import. In this case, the load served is approximately 1,530 MW, of which approximately 975
20 MW is served through the 230 kV transmission corridor east of Bay D’Espoir and generation in
21 the eastern portion of the Island Interconnected System.

22 Base Case 2 reflects the case with maximum island generation and no Maritime Link import. In
23 this case, the load served is approximately 1,260 MW, of which approximately 830 MW is served
24 through the 230 kV transmission corridor east of Bay D’Espoir and generation in the eastern
25 portion of the Island Interconnected System.