

1 Q. (Response to CA-NLH-30) For the year 2020 (i.e., post Muskrat Falls), what is the
2 total transfer capacity of all transmission into the Avalon Peninsula assuming: 1)
3 normal system conditions, and 2) assuming the loss of the most critical system
4 element; i.e., based on n-1 criteria? In the year 2020, what will the total generation
5 capacity located on the Avalon Peninsula be, and what is the forecast load in the
6 year 2020 in terms of peak capacity (in MW) on the Avalon Peninsula?

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9 A. Hydro's response to CA-NLH-058 reflects the supply (inclusive of on-Avalon
10 generation and transmission transfer capacity to the Avalon Peninsula) for the post
11 Muskrat Falls period, after the decommissioning of the Holyrood Thermal
12 Generating Station, and would be representative of the year 2020.

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14 • For the n-1 contingency of the permanent loss of one pole of the
15 Labrador-Island Link, the supply capacity to the Avalon Peninsula would
16 be approximately 1776 MW (967 MW via the Bay d'Espoir to Western
17 Avalon transmission corridor, 552 MW via the Labrador-Island Link and
18 257 MW from on Avalon Generation).

19 • For the n-1 contingency of the loss of the new Bay d'Espoir to Western
20 Avalon 230 kV transmission line, the supply capacity to the Avalon
21 Peninsula would be approximately 1763 MW (830 MW via the Labrador-
22 Island Link, 676 MW via the Bay d'Espoir to Western Avalon transmission
23 corridor and 257 MW from on Avalon Generation).

24 • For the low probability contingency of the complete loss of the
25 Labrador-Island Link, the supply capacity to the Avalon Peninsula would
26 be approximately 1224 MW (967 MW via the Bay d'Espoir to Western
27 Avalon transmission corridor and 257 MW from on Avalon Generation).

- 1 The peak Avalon Peninsula load (the total load east of the Sunnyside Terminal
- 2 Station) for the year 2020 is forecast to be approximately 1065 MW.