

1 Q. Further to the responses to PUB-NLH-214, PUB-NLH-217 and PUB-NLH-218 confirm
2 that for loss of one pole of the Labrador Island Link HVdc transmission system the
3 supply of power from the Labrador Island Link project will, after system stability is
4 established, be shared on a pro rata basis between the Nova Scotia Block and the
5 requirements of the Island Interconnected System (IIS) with any shortfall for the IIS
6 having to be met by other generation on the IIS that is, there is no priority for
7 supplying the requirements of the IIS in the event of insufficient power from
8 Muskrat Falls to meet both Nova Scotia and the IIS's requirements.

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11 A. For loss of one pole of the Labrador – Island HVdc Link (LIL), the supply of power
12 from the LIL will, after system stability is established, be shared on a pro rata basis
13 between the Nova Scotia Block and the requirements of the Island Interconnected
14 System with any shortfall for the Island Interconnected System having to be met by
15 other generation sources on the Island. Given a continuous monopolar rating of
16 552 MW, the pro rata split will be 104 MW for the Nova Scotia Block and 448 MW
17 for the Island.

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19 During a permanent pole outage on the LIL, capacity available to supply Island load
20 would include approximately:

- 21 • 1013 to 1043 MW of on Island hydro-electric (variation due to reservoir
22 levels);
- 23 • 234.7 MW of NLH standby combustion turbines and diesel (including the
24 new 120 MW Holyrood CT);
- 25 • 41.5 MW of Newfoundland Power standby combustion turbine and diesel;
- 26 • 448 MW of supply at Soldiers Pond on LIL;
- 27 • Customer generation including; and

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- 1 ○ 79.1 MW of Newfoundland Power hydro-electric (gross continuous
2 rating).
- 3 ○ 81.1 MW of 60 Hz Deer Lake Power hydro-electric generation.
- 4 • For a total Island capacity of 1897.4 to 1927.4 MW.

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6 Under a permanent pole outage scenario there is sufficient Island generating
7 capacity to supply the total Island load until the late 2020's, early 2030's.

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9 Once the Island Interconnected System load is projected to exceed in future the
10 total system capacity under a permanent monopolar outage, Hydro will explore:

- 11 • Additional industrial and commercial interruptible load arrangements;
- 12 • Customer demand side management initiatives;
- 13 • Potential on-Island capacity additions; and
- 14 • Imports from the Maritimes/New England as necessary.