

1 Q. **Reference: Application, Attachment 1, Page 25, Lines 3 - 4**

2 On Page 25 at Lines 3 - 4, Hydro states:

3 The construction of a second dedicated 4.16 kV distribution feeder to supply the
4 shrimp processing plant.

5 Why is the construction of a second dedicated 4.16 kV distribution feeder to supply the shrimp
6 processing plant only included in Alternative 2, and not in any of the other alternatives?

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9 A. The construction of a dedicated 4.16 kV distribution feeder to supply the shrimp plant would
10 allow additional flexibility when operating the Charlottetown diesel plant as part of the system
11 could be simply energized or de-energized using the diesel plant control system when required.
12 This is particularly useful when recovering from long outage during the winter, where the loss of
13 load diversity causes system load to be considerable higher than pre outage levels. This was not
14 included in the alternatives that involved a regional interconnection. As the regional
15 interconnection will have dedicated feeders for each community, Newfoundland and Labrador
16 Hydro would have the ability of energizing only a portion of the full system.

17 The exclusion of the second dedicated 4.16 kV distribution feeder from Alternative 1 was an
18 oversight and should have been included in this alternative. This does not have a material
19 impact of the analysis presented as the estimated cost for the dedicated feeder is approximately
20 \$100,000, or 1% of the capital cost of Alternative 1.