

1 Q. Is the installation of a 230kV bus tie breaker, as proposed for the Oxen Pond
2 Terminal Station, required at this time to meet the increased station load
3 requirements and transformer backup criteria?
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6 A. The installation of the 230 kV bus tie circuit breaker at Oxen Pond is not required to
7 meet Hydro's transformer back up criteria. However, as noted in the capital budget
8 submission beginning on page 33 and continuing to page 37, load growth in the
9 eastern portion of the St. John's region supplied by the Oxen Pond Terminal Station
10 has reduced the window of opportunity to supply the entire St. John's region load
11 while performing 230 kV bus maintenance at Oxen Pond. This is highlighted in
12 Figure 4 of the submission. Figure 4 indicates that 230 kV bus maintenance at Oxen
13 Pond must be completed during the summer months. If one considers a single 66
14 kV transmission line outage during the 230 kV bus maintenance, then, based upon
15 the existing 230 kV bus configuration at Oxen Pond, a maintenance outage can only
16 occur if there is an outage to customers in the St. John's region today. Adding the
17 230 kV bus tie circuit breaker, such that only one half of the Oxen Pond Terminal
18 Station need be removed from service for maintenance at any one time, improves
19 Hydro's ability to supply all customers in the St. John's region without the need for
20 an outage.