

1 Q. Reference: Hydro's November 30, 2016 *Energy Supply Risk Assessment*
2 On Page 2 of Hydro's *TL267 Monthly Status Update Report*, dated December 15,
3 2016, it states:

4 *"These activities will continue to be monitored very closely as continued slippage on*
5 *these items could impact the energization date. The contractor is in the process of*
6 *preparing a recovery plan to get back on schedule with these tasks."*

7 Please explain the impact on Hydro's near-term *Energy Supply Risk Assessment* if
8 transmission line TL267 is not available for the 2017/2018 winter season as
9 currently planned.

10

11

12 A. While Hydro anticipates TL267 to be in service and available for the 2017-18 winter
13 season, Table 1 presents the resultant Expected Unserved Energy (EUE) in excess of
14 planning criteria with and without TL267 inservice for Winter 2017-18.

15

16 As shown in Table 1, if TL267 is not inservice for winter 2017-18, there is EUE in
17 excess of planning criteria for the fully stressed reference case and the three
18 sensitivity load projections. This results from higher overall system demand
19 associated with increased transmission losses, as TL267 is not yet available, as well
20 as the increase in Avalon demand relative to Island Interconnected System demand
21 for winter 2017-18 relative to winter 2016-17. The increase in Avalon demand
22 relative to Island Interconnected System demand for winter 2017-18 compared to
23 winter 2016-17 is due to forecast increased demand requirements for Vale at Long
24 Harbour.

1 Table 1 – Summary of Results:

2 TL267 inservice in winter 2017-18 vs. TL267 not inservice for winter 2017-18

	P90 Analysis			
	With TL267 in service for Winter 2017/18		Without TL267 in service for Winter 2017/18	
Year	2016/17	2017/18	2016/17	2017/18
Expected Unserved Energy in Excess of Planning Criteria (MWh)				
Expected Case	-	-	-	101
Fully Stressed Reference Case	-	-	-	101
Sensitivity Load Projection I	-	-	-	133
Sensitivity Load Projection II	15	-	15	142
Sensitivity Load Projection III	24	-	24	145
Incremental Annual Expected Outage Hours				
Expected Case	-	-	-	16,900
Fully Stressed Reference Case	-	-	-	16,900
Sensitivity Load Projection I	-	-	-	22,100
Sensitivity Load Projection II	2,500	-	2,500	23,700
Sensitivity Load Projection III	4,000	-	4,000	24,100

Note: Planning Criteria is EUE = 300 MWh; 50,000 Annual Expected Outage Hours