

1 Q. In reference to sections 4.2 and 4.3 of the ESRA Report, please provide details of
2 the N-1 generation and transmission contingencies required to be reviewed after
3 TL267 is in service. Please provide the most onerous single generation contingency
4 and transmission contingency after TL267 is in service.

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7 A. Once TL267 is placed in service, the most onerous ac transmission line contingency
8 would be in the TL242-TL266 corridor between Soldiers Pond Terminal Station and
9 Hardwoods Terminal Station. This will be the most heavily loaded ac corridor in the
10 IIS. Required upgrades to this corridor, identified via transmission planning analysis,
11 were addressed in Hydro's 2016 Capital Budget where the construction of a new
12 230 kV transmission line, TL266, was approved. With respect to transmission
13 contingencies required to be reviewed after TL267 is in service, Hydro will continue
14 to evaluate its transmission network in accordance with Board-approved
15 transmission planning criteria, as described in section 4.3 of the ESRA report.

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17 Hydro does not use N-1 criterion in the determination of generation adequacy for
18 the Island Interconnected System. Hydro currently uses Loss of Load Hours (LOLH),
19 a probabilistic determination of generation adequacy, and reserve margin, based on
20 the current 240 MW target.

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22 Prior to the in-service of Muskrat Falls, Holyrood plant will continue to provide base
23 load power to the Island Interconnected System, and as such, the loss of Unit 1 or
24 Unit 2 at Holyrood will remain the most onerous single generation contingency.