

1 Q. The response to NP-NLH-018 in Hydro's Holyrood Blackstart Application suggests
2 that required black start capability will be lost upon the failure of one of the diesels
3 and that contingency plans with resulting delays will be required for such an event.
4 Please explain Hydro's basis for selecting an option that will not meet the design
5 intent if even one of eight components fails and describe whether one or more
6 additional units was considered for backup.

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9 A. The proposed alternative is consistent with Hydro's application of an N-1 criterion
10 for System Planning.

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12 In the event of a system outage requiring the blackstart of the Holyrood plant,
13 Hydro's application of the N-1 criterion is such that all diesel generators are
14 assumed to be available for blackstart. Please see Hydro's response to PR-PUB-
15 NLH-109 with respect to the estimated reliability of these units. As part of the
16 commissioning process for these units, all units were started and proven to
17 blackstart the Holyrood boiler feed pump motor. Further, these units have been
18 brought online as parallel support to the system and have been regularly tested.

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20 As per the response to NP-NLH-018 in Hydro's Application, *Installation of Diesel*
21 *Units for the Purpose of Blackstarting*, Hydro has developed a series of contingency
22 plans that may be followed in the event that a blackstart event coincides with the
23 failure of one (or more) blackstart diesel generators.