

1 Q. **Reference: 2017 General Rate Application, response to Request for Information**  
2 **NP-NLH-038, Attachment 1, Establishing a Robust Operational Philosophy and**  
3 **Enhancing Skills and Capabilities Relating to Systems Reliability and Analysis, Page**  
4 **13, lines 19–20.**

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6 *“T-096 provides clear instruction to operators that reserves equal to the single*  
7 *largest contingency, plus an additional reserve of 35 MW must be maintained for*  
8 *the Avalon Peninsula.”*

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10 Please describe, and if possible provide, the analysis undertaken by Hydro to  
11 determine that reserves equal to the single largest contingency, plus an additional  
12 reserve of 35 MW, are necessary for the Avalon Peninsula.

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15 A. As indicated in Hydro’s response to NP-NLH-324, Attachment 1, Hydro, following  
16 the March 4, 2015 events, developed an Avalon operating instruction which  
17 provides for the method of assessment, stakeholder notification criteria, and  
18 operator dispatch guidelines related to Avalon capability and reserves. Hydro also  
19 conducted a series of load flows, with configurations of various equipment in/out of  
20 service, to identify the levels of Avalon loading or “thresholds” for which the system  
21 operators dispatch Avalon generation (including standby sources). These  
22 determined levels are required to maintain an appropriate level of reserves and  
23 position the system to withstand the single worst contingency. Resources are  
24 dispatched in advance of the contingency to mitigate the potential of cascading  
25 outages and / or sustained interruption to customers.

1 In addition to the “contingency reserve” or the reserve equal to the impact of the  
2 single largest contingency, Hydro, from a planning perspective, included an  
3 additional 35 MW<sup>1</sup> of available reserve for notification purposes.

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<sup>1</sup> Since the Avalon load is approximately half of the overall Island load, Hydro used one half of the additional reserve carried for the Island system (70 MW) for notification purposes.