

1 Q. What reliability target(s) does Hydro use when assessing whether corrective
2 or remedial action is required? (JRH p. 10, line 13)

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4 A. Generally, Hydro uses Canadian Electricity Association (CEA) reliability
5 indices as a reference for comparison purposes. However, these CEA
6 average indices serve as a guideline only as many other factors, such as the
7 environment and geography of Hydro's service area, system configuration,
8 equipment age, technology available, and cost are considered in the decision
9 process.

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11 With respect to generation, Hydro's goal is to meet or exceed the CEA
12 averages and to reduce or minimize the number of sudden generator trips
13 resulting in underfrequency load shedding and customer interruptions. All
14 routine generator maintenance outages are scheduled in such a manner that
15 customer interruptions are kept to the minimum possible.

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17 With respect to transmission and distribution, the key performance measures
18 are SAIFI and SAIDI. In the isolated systems these are related to the
19 isolated generation plants and the distribution system itself. On the
20 interconnected systems they are related to the distribution system, the
21 transmission system and the generation system.

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23 Hydro monitors the performance of each generator, transmission line and
24 distribution system with special attention paid to any repeating problem area
25 to resolve them in an effort to improve the individual equipment performance
26 and hence SAIFI and SAIDI that our customers experience. Performance
27 results are also compared on an annual basis to previous results for the
28 same system and against results for similar systems to identify "worst
29 performers" which require attention.