

1    Q.    **Transmission Operations**

2            Provide a detailed explanation of communication and coordination that occurs  
3            between Hydro's and Newfoundland Power's respective Energy Control Centres  
4            regarding transmission line status, including loadings and terminal station breaker  
5            status.

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8    A.    Required transmission lines status information is provided by each of  
9            Newfoundland Power (NP) and Hydro to the other, through an Inter Control Centre  
10           Protocol (ICCP) data link between the two control centers. This provides each  
11           control center with the status of equipment for each station. If there are concerns  
12           with equipment outages determined through monitoring of ICCP data,  
13           communication will be initiated between the two control centers.

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15           During the outage planning process, Hydro will discuss any equipment outages with  
16           NP that may have an impact on their operations. The equipment includes  
17           transmission lines and terminal station breakers. The discussion covers the  
18           following areas:

- 19           • The determination of the potential impact on reliability, which may require  
20           that load flows be run;  
21           • Loading constraints (i.e., transmission line and transformer limitations, given  
22           the short term load forecast);  
23           • Outage time and duration; and  
24           • Contingency plans.

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26           Once this initial discussion occurs, the outage details will be finalized and the  
27           approval to proceed is given. On the day of the outage, Hydro's Energy Control

1 Centre (ECC) would give the final approval on proceeding, and would call the NP  
2 control room to advise of the same. The ECC would provide updates throughout  
3 the day as to the status of the work and if there are any concerns with the return to  
4 service.

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6 To provide an indication of outages that do not have a direct impact on NP, the  
7 parties rely on the ICCP.

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9 In the event of a forced outage to transmission lines or station equipment that  
10 directly affects NP, the ECC will make immediate and direct contact with the NP  
11 control center. The ECC would provide the NP control center with an update on the  
12 status of the equipment, the expected return to service and the potential reliability  
13 impacts. The equipment status can also be viewed through the ICCP data link.