

1 Q. Further to the response to PUB-NLH-033, are there guidelines or procedures to be  
2 followed in the decision to implement each step in the Generation Shortages  
3 Protocol? If yes, provide the guidelines or procedures. If no, why not?  
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6 A. In the protocol "Generation Loading Sequence and Generation Shortages" there are  
7 two sections. One is for Normal Generation Loading Sequences and the other is for  
8 Generation Shortages.  
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10 Hydro's Energy Control Centre (ECC) personnel constantly monitor the available  
11 generation supply and the system demand. During normal operation, ECC  
12 personnel follow steps 1 to 9, as the system demand increases. If the system  
13 demand continues to increase after completion of steps 1 to 9, this signals an  
14 indication of a potential generation shortage. During extraordinary supply issues,  
15 steps 1 to 9 may be insufficient to meet demand. At this point, steps 10 to 15 are  
16 implemented (please refer to Hydro's response to PUB-NLH-070 Attachment 1), as  
17 required.  
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19 In addition, the ECC Superintendent assesses the short-term weather and load  
20 forecasts over a future-looking seven-day period and prepares for the  
21 implementation of steps in this procedure to ensure that the capacity of the  
22 generation in service is sufficient to meet the system demand over the near term.  
23

24 The main drivers for implementing steps in this procedure are for maintaining  
25 generation reserve, system frequency and system voltages at acceptable levels.