

1 **Q. Does the System Control Centre dispatch generation? Explain under what**  
2 **conditions Newfoundland Power's generation is dispatched.**

3  
4 A. The System Control Center ("SCC") dispatches Newfoundland Power's generation.

5  
6 When refurbished, Newfoundland Power's hydro generators were equipped with a  
7 programmable logic controller ("PLC") to provide plant control functionality. The PLCs  
8 have a water management algorithm for automatically starting, stopping and setting load  
9 on the generators based on available water levels. The SCC has the ability to override the  
10 water management system and manually dispatch generation if required by placing it in a  
11 load control mode.

12  
13 During the winter season when system demand is highest, most of the hydro generators  
14 are operated in the load control mode to conserve available water. Generators are  
15 typically dispatched by the SCC operators to follow the daily load profile, ensuring the  
16 hydro generators are online for the morning and evening peak. Thermal units are  
17 dispatched by the SCC when required.

18  
19 During periods of system peak Newfoundland and Labrador Hydro's Energy Control  
20 Centre will make requests for Newfoundland Power to maximize hydro production,  
21 thermal production or both, either Island wide or only on the Avalon Peninsula. The  
22 SCC will determine how to dispatch its generators to meet Hydro's request.