

1 **Q. Describe if and how Planning Engineers support the Power Systems Operation**  
2 **organization.**  
3

4 A. The power system planning function at Newfoundland Power consists of both capital and  
5 operational planning activities. These activities are completed by a group of electrical  
6 Engineers and Technologists located within the head office engineering department and  
7 each of the 3 operating regions. This group of Engineers and Technologists support  
8 power system operations through their interaction with the Company's System Control  
9 Centre ("SCC").  
10

11 Support by the Planning Engineers and Technologists occur on a frequent basis during  
12 both normal and emergency conditions. This support includes power system analysis and  
13 load flows for normal operating conditions and analyzing contingencies for the operation  
14 of power system devices such as transmission line breakers, determining normal and  
15 emergency equipment ratings, estimating cold load pickup for substation transformers  
16 and distribution feeders, distribution load transfer studies and voltage regulation studies.  
17

18 During the rotating outages in January 2014 the Planning Engineers and Technologists  
19 worked with the Power System Operators at the SCC to identify the distribution feeders  
20 to be rotated and the duration of each rotation.