

1 Q. Provide details of the potential for the Voisey's Bay nickel smelter/refinery  
2 and a Labrador Infeed discussed on page 9, lines 17 to 22 of Mr. Budgell's  
3 Prefiled Testimony.

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6 A. As indicated in the referenced testimony, the magnitude and timing of on-  
7 island industrial load associated with the Voisey's Bay nickel resource  
8 development represented a principal demand uncertainty during the 1990s.  
9 Based on initial communications with INCO, Hydro began a process that  
10 would have resulted in a power supply for a 200 MW smelter and refinery to  
11 be located at Argentia starting in 2000. A 200 MW increase in load  
12 represented approximately a 15 percent increase in demand for the Island  
13 interconnected system. Hydro's assumptions for associated on-island  
14 industrial load for the Voisey's Bay development subsequently decreased to  
15 a 100 MW load provision, and with the change in process technology, is now  
16 50 MW assuming hydro-met ore processing technology and a  
17 commencement date of 2007. This load is now treated as a sensitivity case  
18 to a base case long-term load forecast.

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20 Uncertainty on the supply side was driven by the demand uncertainty  
21 outlined above, and also uncertainty surrounding the outcome of negotiations  
22 between the Province and Hydro-Quebec concerning further developments  
23 on the Churchill River and a high voltage 800 MW transmission  
24 interconnection between Labrador and the Island portion of the Province. If a  
25 Labrador Infeed is committed, the objective would be to minimize new  
26 generation capital on the Island prior to Infeed commissioning.

1           At this point in time Hydro has no service requests from INCO to supply an  
2           on-island industrial load associated with the Voisey's Bay resource  
3           development. On the supply side, the Province has not yet been successful  
4           in reaching applicable agreements leading to the development of the Lower  
5           Churchill and a Labrador Infeed.