

1 Q. Describe the plans Nalcor has to ensure that dc cable repairs can be performed as  
2 quickly as possible including the equipment and spares that will be available for  
3 such repairs to be carried out and whether Nalcor intends to have a support  
4 agreement with the cable manufacturer or another body for help in the event of a  
5 cable failure.

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8 A. Spare cable segments comprised of 600m of land cable and 8200m of submarine  
9 cable will be provided as part of the Strait of Belle Isle HVdc cable contract, all of  
10 which will be stored in Newfoundland and Labrador. In addition to the spare  
11 cables, a full complement of component spares will be provided including  
12 terminations, surge arrestors and repair joints for land and submarine cable repairs.

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14 Hydro currently anticipates that manufacturer resources will be engaged as  
15 required for field repairs. Depending on the nature of the repair, when during the  
16 life of the cable it is required, and availability of manufacturer resources, Hydro may  
17 also call on qualified contractors to carry out any necessary field repairs. This repair  
18 would be performed by a cable installation vessel or, given that the maximum  
19 water depth in the Strait of Belle Isle is 125m, a suitably equipped light intervention  
20 vessel could be utilized to expose and raise the subsea cable for repair. Light  
21 intervention vessels of this kind are very common in the region for the offshore oil  
22 and gas industry and could be availed of in a reasonable period of time if required.

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24 Given the low probability of a cable repair, engaging locally available resources  
25 along with manufacturer capability as required is considered to be a cost effective  
26 and appropriate plan to effect cable repairs.