

1 Q. **Unit 1 Stack Breaching:** Has Hydro prepared or obtained an analysis of the cost  
2 impact of the absence of ice protection shelters over the 9 year study period for the  
3 CBA?

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6 A. No, Hydro has not prepared or obtained an analysis of the cost impact of the  
7 absence of ice protection shelters over the nine-year study period for the CBA. Ice  
8 protection shelters are only required if external insulation is installed on the  
9 breaching. The cost of ice protection shelters is in the order of 8% of the total  
10 proposed project cost. In the 1980s, as part of the earlier external insulation  
11 design, ice protection was not employed and damage was incurred as a result of  
12 falling ice. Recognizing that the cost of such repairs can easily exceed the cost of  
13 the ice protection, installing the ice protection shelters as part of the project is the  
14 prudent course of action.