

1    Q.    **Re: Holyrood (HTGS) Stack Breeching**

2            With reference to Project B-20 Upgrade Stack Breeching Unit 2, what measures is  
3            Hydro intending to take in relation to Hydro's preferred option for refurbishment of  
4            Unit 1 to prevent the proposed exterior insulation becoming prone to leaks, as was  
5            the case with Unit 2 (per Volume II, Tab 7, page 6 of the 2012 Capital Budget  
6            Application)?

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9    A.    The new exterior insulation system that is proposed for the stack breeching for Unit  
10           1 will be covered with a watertight cladding. As well, ice shields will be installed  
11           over top of the cladding to protect it from ice that falls from the plant's roof and  
12           stacks in the vicinity of the breeching during the winter months. The watertight  
13           cladding and ice shields will mitigate water ingress into the insulation system to the  
14           greatest extent possible.

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16           The previous exterior insulation system installed on the stack breeching for Unit 1  
17           was not protected with ice shields. Ice falling from the plant's roof and stacks was  
18           able to impact the protective cladding. The impact from falling ice caused the  
19           cladding to crack. These cracks allowed water to migrate into the insulation. This  
20           created an environment in which accelerated corrosion could form on both the  
21           exterior and interior faces of the breeching steel casing.