

1 **Q.** **Reference PUB-NLH-499 and CA-NLH-067:** Hydro claims the converter will not trip
2 due to the loss of auxiliary power because an emergency generator will be started.
3 The diesel generator start time will not be determined until later in 2015. Diesel
4 generator start times may exceed the amount of time that can be tolerated for loss
5 of the converter valve cooling system. Is there a backup plan, such as a smaller
6 emergency pump supplied by a UPS, to prevent a trip? If yes, please provide the
7 plan.

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10 **A.** The specifications for the HVdc converter require that the cooling system remain in
11 service in the event of an interruption of converter ac station service until the site
12 emergency diesel generator is started.

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14 The main cooling system can be supported by a UPS to achieve the necessary time
15 between an interruption in station service and emergency generator start-up. As
16 indicated in Hydro's response to CA-NLH-067, this is a detailed engineering item for
17 the HVdc supplier to complete, which has not yet been finalized. Hydro does not
18 foresee any issue in this regard.