

1 Q. With reference to the Project **C-67, Replace Battery Banks and Chargers 2013**,
2 what has been Hydro's operational experience for flooded-cell batteries with in
3 excess of 20 years of service life and for VLRA batteries with in excess of 10 years
4 service life?

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7 A. There have been very few instances where batteries have been used by Hydro past
8 their recommended service life. There are no known failures associated with
9 exceeding the service life. However, the hold-up time of batteries degrade
10 naturally with time and will deteriorate below the accepted limit of operation when
11 used past the service life.