

1 Q. **Project C-76, Replace Battery Banks and Chargers**

2 Hydro states that the flooded-cell battery has a typical service life of 18-20 years
3 and the VRLA battery has a typical service life of 7-10 years. What is the source for
4 this information?

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7 A. A service life of 20 years is quoted in the manufacturer's data sheets for flooded-
8 cell batteries as a "design life". The typical service life of flooded-cell batteries can
9 be reduced to 18 years depending on the environmental conditions and the number
10 of deep cycles actually experienced. A service life of ten years is quoted in the
11 manufacturer's data sheets for VRLA batteries as a "design life". The typical service
12 life of VRLA batteries can be reduced to seven years depending on the
13 environmental conditions and the number of deep discharges actually experienced.