

1 Q. Ref: Direct testimony of Jim Haynes, Eric Downton and Kenneth McDonald,
2 p.2, lines 9-10. Please provide details on the quantitative and qualitative
3 aspects of the analysis used by Hydro to determine when the operating
4 performance or excessive maintenance of specific plant equipment may
5 indicate that it is nearing or beyond its useful life.
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8 A. Whenever possible, a quantitative analysis is performed to assess the
9 condition of equipment. A review of equipment maintenance records
10 indicates the frequency and cost of repairs performed on the equipment in
11 question. The performance of a piece of equipment, when compared to its
12 original capability and level of reliability would indicate whether the
13 equipment is deteriorating. As well, vendor support, alternative sources of
14 support and spare parts availability are reviewed and evaluated. From this
15 information an engineering judgment can be made to project the expected
16 remaining life of the equipment and its future operating and maintenance
17 costs. In some cases, especially for minor equipment, detailed maintenance
18 records are not available and a decision to maintain or replace the equipment
19 must be made on the basis of a subjective analysis.