

1 Q. C-16, Tab 7: Install Backup System for Raw Water Supply and Clarifier -Holyrood;  
2 \$955,600

3 What is the useful life of the raw water system and clarifier and when is it expected  
4 that it will be necessary to upgrade, refurbish or replace.

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7 A. The life of the raw water system when originally installed in 1968 was estimated to  
8 be 50 years. Today the remaining useful life of the raw water system is estimated to  
9 be 20 years subject to inspection and testing (reference *Holyrood Condition*  
10 *Assessment and Life Extension Study - 2010* by AMEC, page 11-109).

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12 The life of the clarifier when originally installed in 1969 was estimated to be 40  
13 years. Today the remaining useful life of the clarifier is estimated to be 10 years  
14 subject to inspection and testing (reference *Holyrood Condition Assessment and Life*  
15 *Extension Study -2010* by AMEC, page 11-110).