

1 Q. **Re: Replace Pump House Motor Control Centers-Holyrood, Vol. I, p. B-12; Vol. II -**  
2 **Tab 6**

3 At page 6 of Tab 6, NLH reports that "Replacement parts for the existing equipment  
4 are readily available from local distributors or through special order direct to the  
5 manufacturers". What would it cost to replace the contacts where rust has been  
6 noted?

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9 A. There are several different sets and types of electrical contacts in each cell of the  
10 motor control centre (MCC). Costs to purchase range from as little as \$5 to \$10 for a  
11 set of relay contacts to as much as \$1,000 for a set of main breaker contacts. The  
12 degree of difficulty and time required for installation could range from two hours to  
13 two days.

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15 The availability and cost of replacement parts is not the justification for this  
16 proposal. The issue in this proposal is that the design of the equipment is such that  
17 safety hazards exist for maintenance staff because there are no safety barriers to  
18 protect the maintenance staff from the 600 volt energized bus or the asbestos  
19 materials used in the MCC construction. Additionally, effects of the exposure of the  
20 MCCs to the corrosive atmosphere in the pump house can cause interruptions to  
21 the reliable supply of water to the plant and unplanned outages to the generation  
22 units. These safety and reliability issues can not be corrected by the simple  
23 replacement of contacts.