

1 **Q. Re: Tab 1.1 - 2013 Facility Rehabilitation – Soldiers Pond Outlet**

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3 **What would be the cost of only shoring up the gabion baskets to address the**
4 **perceived corrosion issues and leaving aside the installation of a “more robust wing**
5 **wall design that incorporates appropriate safety measures. . .” as described by**
6 **Newfoundland Power at p. 5 of the report.**
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8 A. The lower gabion baskets have failed due to corrosion and there is no option to shore up
9 the gabion baskets. They essentially would all have to be removed, to replace the lower
10 baskets. While the rock could be reused the baskets would need to be of new material.
11 So the only option is to remove and replace the wall, as shoring it up is not an option.
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13 As noted in CA NP 21 the gabions were installed in 1993. Gabion baskets would
14 normally be expected to last 40 years. The gabion baskets in question display excessive
15 corrosion and deterioration below the water line and little if any above the water line.
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17 Based on an engineering review we have determined that due to the excessive corrosion,
18 which has led to the loss of ballast rock below the high water line, the walls require
19 replacement to prevent the risk of them toppling over.
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21 See photo below of corroded baskets and missing ballast.
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