

1 **Q. (Reference Application Volume 2, Transmission Line Rebuild, pages 2 and 3) Please**
2 **confirm that conductors will not be replaced as part of this project. Are conductor**
3 **replacements cost effective on a dollar spent per avoided customer interruption**
4 **relative to other investments?**
5

6 A. The conductors will be replaced as part of the project to rebuild a section of transmission
7 line 124L. The material cost associated with replacing the conductor is estimated to
8 account for approximately 6%, or \$300,000, of the proposed \$5.6 million budget for this
9 project.
10

11 Newfoundland Power does not evaluate conductor replacements on its Transmission Line
12 Rebuild projects on the basis of dollar spent per avoided customer interruption relative to
13 other investments.
14

15 The existing conductor on 124L is original to the construction of the line in 1964. To
16 prevent extended transmission line outages during construction and permit the efficient
17 rebuild of the line, the section of 124L will be rebuilt in a new adjacent right-of-way.
18 Due to the age of the existing conductor, there is a high potential for damage when
19 removing and reinstalling the existing conductor. Given its age, the existing conductor
20 would also be expected to exhibit various stages of deterioration and stretching as a result
21 of nearly 60 years in service, which would result in a high risk of conductor failure. For
22 these reasons, the existing conductor will be replaced.