

1 Q. At page 61 of Hydro's report "Upgrade Transmission Line Corridor" dated April 28,
2 2014, Hydro states that

3 *"Given the incremental capital cost to build the line for the*
4 *1192.5 kcmil conductor is approximately \$31M, there is no*
5 *merit in Hydro considering a larger conductor over the*
6 *current standard of 795 kcmil ACSR. If in the design stage a*
7 *stronger conductor is required on sections of the line, then*
8 *the electrically equivalent 804 kcmil AACSR/TW would*
9 *likely be used, but this is a detail to be considered in the*
10 *final design. "*

11 At page 59 of the same report, Hydro identifies the following:

12 *"From a meteorological loading condition perspective, a*
13 *balance between strength and outside diameter will be*
14 *required to withstand the prospective icing conditions,*
15 *particularly on the Avalon Peninsula section of the route.*
16 *Past practice with upgrades/repairs on the Avalon*
17 *Peninsula would suggest that the 804 kcmil or 1192.5*
18 *kcmil conductors would be appropriate."*

19 Has Hydro included in its \$291.7 million dollar estimate of the cost of this project
20 the cost of using 804 kcmil conductors, instead of 795 kcmil conductors, on the
21 Avalon Peninsula section of the route? If not, what would be the increase in the
22 estimated cost of the project if 804 kcmil conductors are determined to be required
23 on the Avalon Peninsula section of the route?

24
25
26 A. Hydro's \$291.7 million estimate for this project includes the cost of using 795 kcmil
27 conductors over the entire line length. The application of 804 kcmil conductors

- 1 along the Avalon Peninsula section of the line route is to be considered in the final
- 2 design as the overall line is optimized to meet all of the design requirements.