

1 Q. Tab 28; Volume III: Replace Automation Equipment – Mary’s Harbour

2 Hydro states:

3 ***3.2.5 Historical Information***

4 ***“Hydro started a program in 2015 to replace 25 PLCs at 4***

5 ***diesel plants due to obsolescence. The first PLC replacements***

6 ***were completed at L’anse au Loup in 2015. Port Hope***

7 ***Simpson will be completed in September 2016 and Hawke’s***

8 ***Bay and Ramea will be completed in 2017.”***

9 Is the proposed equipment replacement solely for automation purposes or does it
10 serve other requirements similar to those that would have justified the projects
11 noted in the Historical Information section of this proposal?

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14 A. The replacement of the Programmable Logic Controllers (PLCs) is for automation
15 purposes and also serves other requirements similar to those that were put forward
16 as justifications for the projects noted in the Historical Information section of this
17 proposal. The Replace Automation Equipment – Mary’s Harbour proposal also
18 includes replacement of the Human Machine Interface (HMI), the HMI software and
19 the restoration of the automation program. The HMI is used by the operator to
20 operate the plant and to obtain operational data from the generating units and
21 auxiliary systems. The HMI computer operating system is no longer supported and
22 the HMI software currently has limited support from the manufacturer, with all
23 support ending on December 31, 2017.