

1 Q. **Project: Holyrood – Overhaul Extraction Pump South Unit 1 – \$96,800**

2 References: Application page E-88 and E-95

3 According to the above referenced pages, only one of the two installed extraction
4 pumps is required for the operation of unit 1. Further, the north extraction pump
5 was overhauled in 2012. Instead of overhauling the south pump, please explain
6 Hydro's rationale for not preferentially running the north pump and only using the
7 south pump when required.

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10 A. The redundancy in the Unit 1 condensate extraction pumps is necessary to increase
11 the reliability of the system in the event of a failure of the recently overhauled
12 north pump. In addition, at peak loading (160 MW and above) both condensate
13 extraction pumps are required. In the event of the failure of the north pump, the
14 south pump would be placed in operation and would not have the capacity to
15 provide the flow for peak loading. As presented in the Appendix for this capital
16 budget submission, Flowserve is recommending the south pump be overhauled in
17 2014 to determine the condition of the pump and to ensure no repeat failures
18 occur as in past years.