

1 Q. Although Hatch advises that permanent repairs be made to three of the fenders,
2 please explain how Hydro has compared the financial and practical impacts of doing
3 permanent repairs with re-doing temporary repairs to extend the life of the fenders
4 without waiting for a catastrophe to occur?

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7 A. The three fenders are vital to the continued operation of the Holyrood Thermal
8 Generating Station as they absorb the loads generated by berthing vessels and
9 transmit them to the terminal facility pile structure. Without these fenders, the
10 terminal facility would no longer be able to facilitate the offloading of fuel oil
11 required to keep the thermal generating units in operation.

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13 The “permanent repairs”, referred to in the Life Extension Study report, are defined
14 as being permanent in the context of the ten year extension requirement only – this
15 work reflects the minimum upgrade requirements necessary to ensure the
16 continued operation of the facility for the next eight years.

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18 The option to extend the life of the facility berthing system in order to extend the
19 service life of the marine terminal an additional 40 years, which constitutes a true
20 “permanent” repair, was investigated prior to the announcement of the Labrador-
21 Island interconnection. The scope of work consisted of: the removal of sections of
22 the existing marine terminal to facilitate construction of a new unloading arm deck;
23 the construction of new concrete capped mooring dolphins; and the construction of
24 a new shoreline bollard system. The estimated cost to complete this work was
25 \$12,550,200. Please refer also to the response to CA-NLH-13.