

1 Q. **Turbine Hot Gas Path Level 2 Inspection and Overhaul - Holyrood Gas Turbine,**
2 **Volume II, Tab 3, Pages 3-4**

3 *“The installation of an access hatch in the powerhouse roof to allow for lifting major*
4 *components out of the building to a laydown area by the powerhouse during the*
5 *inspection and overhaul is also included in the scope of work.”*

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7 Why was the installation of an access hatch not included in the original construction
8 of the Holyrood gas turbine building?

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11 A. The original construction of the Holyrood gas turbine building allowed for
12 deconstruction of a section of the building roof deck to allow for removal of major
13 components during hot gas path and major inspections, without interference from
14 the building’s structural frame.

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16 Hydro has since evaluated the cost of installing a removable roof hatch as
17 compared to the original design of roof deck deconstruction and determined that it
18 would be more cost effective to install the hatch. It is estimated that two cycles of
19 deconstructing the section of the roof deck and reconstructing it again each time
20 major components must be removed in order to complete major maintenance will
21 exceed the cost of installing the proposed new hatch. The current maintenance plan
22 for the unit indicates that two roof opening cycles will be required by 2024;
23 therefore, it is more economical to install a removable hatch.