

1 Q. Reference: Prudence Review - Hydro's Response to Liberty's Report - Most Critical
2 Work -page 10, lines 13-22
3 The referenced lines explain that Hydro deferred preventive maintenance on air
4 blast circuit breakers and power transformers in 2013 in order to perform the
5 "most critical work". Please list those jobs and projects that Hydro classified as
6 "most critical work".
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9 A. The following is a list of most critical work in 2013 being referenced.
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- 11 • A storm on January 11, 2013 caused an island wide blackout due to issues in
12 Holyrood switchyard with snow and salt contamination. Restoration efforts and
13 various equipment restorations over the following weeks consumed a
14 significant portion of available resources.
- 15 • Holyrood Thermal Generating Station (HRD) - construction of a 4160 kv bus to
16 facilitate the installation of Newfoundland Power's mobile gas turbine and
17 diesel to connect them to the system on the Avalon at the Holyrood site, in
18 order to be able to provide the additional generation on the Avalon and other
19 benefits through connection to the station service at Holyrood. This was
20 unplanned work and was a result of the January 11, 2013 issues.
- 21 • HRD - RTV Coating of four air blast circuit breakers. Required the breakers to be
22 dismantled and sprayed in a shop environment and then returned to site. This
23 was done to remove the risk of a reoccurrence of insulator flashover for high
24 salt contamination. The breakers were then reassembled and function tested
25 before being returned to service. This was unplanned and as a result of the
26 January 11, 2013 issues.

- 1 • BDE – Breaker B2T4 failed (air loss) and fell closed causing damage to the
2 interrupting contacts and faulting Unit 4. The unplanned work comprised of an
3 overhaul as well as extensive testing on the generator.
- 4 • SPL B1L22 – Breaker B1L22 at Springdale Terminal Station experienced an
5 internal failure (insertion resistors). Due to the unavailability of parts and the
6 age of the breaker, Hydro determined the prudent course of action was to
7 replace it. The breaker was originally scheduled to be replaced in 2014.
- 8 • Stephenville Gas Turbine Alternator Refurbishment Project – refurbishment of
9 the alternator and associated equipment due to failure in late 2012. Required
10 numerous resources during construction and commissioning.
- 11 • Hardwoods Gas Turbine Alternator Replacement Project – replacement of the
12 alternator and associated equipment. This project was based on
13 recommendations and findings from the Stephenville Gas Turbine Alternator
14 Refurbishment Project earlier in 2013 and was not planned.
- 15 • Labrador City New Terminal Stations – the construction/commissioning of two
16 new Terminal Stations (Quartzite and Vanier) was unable to be completed
17 exclusively by resources in Labrador as initially planned. In order to meet critical
18 winter completion timelines, this led to Transmission and Rural Operations
19 lending resources to complete. This was not included in the original annual
20 work plan.

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22 See also Hydro's response to PR-V-NLH-002 with respect to the additional work
23 effort required to address the above items.