

1 Q. **References: Tab 6; Volume II: Terminal Station Asset Management Overview –**
2 **Version 3**

3 Page 19 of the report entitled *Terminal Station Asset Management Overview*
4 references moisture content within transformer oil.

5

6 How prevalent is the issue of moisture within Hydro transformers?

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9 A. Hydro currently has fourteen oil-filled power transformers categorized as either
10 “Wet” or “Very Wet”¹ using Doble Engineering criteria. The moisture content isn’t
11 high enough to cause dielectric failure in these transformers; the concern with
12 these moisture levels is the associated accelerated aging of the transformer
13 insulation caused by high moisture content. Hydro will conduct moisture reduction
14 activities on these transformers between 2018 and 2020 in an effort to mitigate this
15 acceleration.

¹ All transformers contain some level of moisture; please refer to Hydro’s response to PUB-NLH-012.