

1 Q. **Transmission Operations**

2 Further to the response to PUB-NLH-101 how many of the 56 transmission circuits
3 are under SCADA or other monitoring or control? If any of these circuits are not
4 under SCADA, or some other form of monitoring, explain why.

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7 A. Of the 56 transmission circuits, 53 are under SCADA or another monitoring and
8 control system. The three exceptions are as follows:

- 9 1. TL229: Wiltondale – Glenburnie (66 kV);
- 10 2. TL252: TL252 Tap – Jacksons Arm (66 kV); and
- 11 3. TL253: Jacksons Arm – Coney Arm (66 kV).

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13 TL229 is a radial transmission line that supplies the Glenburnie terminal station.
14 There is a tap station (Wiltondale Tap) which connects TL226 (Deer Lake – Rocky
15 Harbour) to a bus which is directly connected to TL229. Therefore, if there is a
16 problem on TL226, a line for which the Energy Control Centre (ECC) has control and
17 monitoring, it would directly affect TL229. If there is a problem on TL229 affecting
18 service to customers and it does not affect the status of TL-226, the customer call
19 center (during normal working hours) and the ECC (after hours), would receive
20 customer calls and field crews are then dispatched to investigate the issue. Hydro
21 has been monitoring the performance of the line and based on historical
22 performance of TL229 has not - to this point - seen a necessity to incur the cost of
23 SCADA communications for the Wiltondale station. However, as a result of the
24 deployment of Automated Meter Reading (AMR) in the area, it is examining the
25 opportunities of utilizing other technologies such as AMR to provide more rapid
26 notification of customer interruptions on that line.

1 TL252 and TL253 are considered extensions of the radial transmission line TL251.
2 Lines TL252 and TL253 are protected from faults by the breaker for TL251 and do
3 not have separate control devices and therefore would not benefit from SCADA
4 control. They have manually operated disconnect switches for maintenance and
5 isolation. TL251 runs from the Howley terminal station to the Hampden terminal
6 station and Hydro has monitoring and control of this line at the Howley terminal
7 station. While it has a different line designation, TL252 is simply an extension of
8 line TL251. This is similar for TL253, which is tapped off TL252.