

1 Q. Please verify that, after the Western Avalon B1L37 initial trip on January 4, 2014,  
2 had operators disconnected the T5 transformer and other transformers fed by that  
3 breaker and re-energized only the bus, that the voltages on each of the three  
4 phases could be read by operators locally and system operators in the EEC.

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7 A. During the time after the initial trip of Western Avalon B1L37, had the operator  
8 disconnected T5 and the other transformers from Bus B1 and re-energized only the  
9 bus, the operator would not have been able to read the bus voltage. The breaker  
10 operation of B1L37 (closing then opening) is an automatic protection operation  
11 which occurs very quickly once there is a disagreement in the open/close state of  
12 the three breaker phases. The operation of this protection would have been too  
13 fast for the operator to assess. In addition, only one phase of the bus voltage<sup>1</sup> is  
14 displayed in the ECC and on the panel in the terminal station control building and  
15 therefore in any event it would not be possible to discern whether only two phases  
16 were energized.

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<sup>1</sup> The operator only requires one voltage reading as it is normal on the power system for all three phases to be equal. It is a very unusual condition to have only one phase open for a sustained period.