Arapuni Bus Split Advisory

We have reviewed the Net Benefit Test for continuing the Arapuni grid reconfiguration following the outage of transformer T1 at Arapuni. There is no net benefit in splitting the Arapuni bus while T1 is out of service. We will close the Arapuni bus split from 28 May 2013 16:30 until further notice.

On 26 May 2013, transformer T1 at Arapuni power station was removed from service. Transformer T1 connects Arapuni generating units G1 to G4. The outage of the transformer makes these units unavailable. The majority of benefits from having a bus split on the 110 kV bus at Arapuni arise from relieving generation constraints at Arapuni. The unavailability of generating units G1 to G4 due to the outage of Arapuni transformer T1 means the benefits in relieving generation constraints no longer exist. There is now a net benefit in closing the split as the cost of energy not served (having reduced security to Kinleith substation) outweighs the benefits of reduced losses when the Arapuni 110 kV bus is split.