

Christopher Meyer - MMC Overduted Breakers at South Bay

From: "Nicolai, Christopher" <CNicolai@semprautilities.com>
To: "Laiping Ng" <Lng@energy.state.ca.us>
Date: 4/1/2008 6:54 PM
Subject: MMC Overduted Breakers at South Bay

Laiping,

As a follow-up to my voicemail, in addition to SY1 and SY50 being pre- and post-project duty violations, we look primarily at single bus-single breakers. We assume that a double breaker configuration (which is not modelled as such due to difficulty of the model) will split the fault current seen at that breaker, which would make SY1 OK.

For SY50, it looks like my pivot table added the "% Duties" of the South Bay Bank 50 69kV breaker with the 138kV breaker. Although MMC's fault current increases an existing violation on each breaker, it is not as severe as it appears when summed together.

These breakers would be replaced at the appropriate time through our Grid Assessment process; the post-MMC violation would probably not require them to be sized to a rating higher than what we would in the pre-MMC case.

However, thank you very much for bringing this to my attention. I will look for it in future analyses. Let me know if you have any other questions.

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