25-RES

From: Don Marksberry
To: David Loveless
Date: Fri, Jul 2, 2004 10:13 AM
Subject: Palo Verde 1 and 3

I set complexity to recovery offsite power from moderately (x2) to highly (x5) for OEP-XHE-NOREC-ST (1 hr). Timing and stress are not affected due to the other available path to the other vital bus. For longer recovery times, they have time to "fix" the breaker by cycling or use other available path, so no adjustments were made to OEP-XHE-NOREC-BD and OEP-XHE-NOREC-SL. This increases CCDP from 2.8E-5 (moderately complex) to 3.5E-5 (highly complex).

Do you know much more of the CCF nature of the breakers? If this was truly a CCF, then Unit 2 recovery would be affected. If the same complexity adjustment is made to OEP-XHE-NOREC-ST, then CCDP would increase from 6.4e-4 (pt est) to 7.6e-4. I have the CCF experts here looking at the modeling to verify CCF is negligable compared with the XHE.

don

CC: Gary Demoss

L|24

K

From: Don Marksberry
To: David Loveless
Date: Mon, Jul 5, 2004 3:55 PM
Subject: Fwd: Palo Verde analysis - revised (editorial changes)

The lastest.

Just some cleanup---not significant changes from last week.

From: Don Marksberry
To: internet: buelrf@inel.gov; Joseph Minarick
Date: Mon, Jul 5, 2004 12:23 PM
Subject: Palo Verde analysis - revised (editorial changes)

For your information. This would make an excellent text book example in the RASP analysis handbook.

CC: Donald Dube; Patrick O'Reilly