

*Southern California Edison*  
MESA PTC A.15-03-003

**DATA REQUEST SET A1503003 ED-SCE-06**

**To:** ENERGY DIVISION  
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**Question 01.d:**

DR#2 Q.7

**Alternatives: Reduced Substation Alternative (Two 1200-MVA 500/230-kV Transformer Banks)**

SCE stated in its response to Data Request #2, Q.7 that a minimum of three 1200 MVA 500/220-kV transformer banks are necessary to maintain compliance with reliability standards. If two 1200 MVA 500/220-kV transformer banks address the system problems in discussed in (A):

- D. Explain *whether* and *why* a third 1200 MVA 500/220-kV transformer bank is needed to meet reliability standards.

**Response to Question 01.d:**

As stated in SCE's prior responses to DR #2, Q.7 as well as DR #6, Q.1.b, one or two banks are insufficient to maintain compliance with reliability standards because the resultant loading under base case (one bank) or following an N-1 contingency (two banks) would exceed the emergency rating of the remaining transformer bank. Therefore, a third 1120 MVA 500/230 kV transformer bank is necessary to meet these reliability standards.