



VOLUME 2 - APPENDIX 3
(ELECTRICAL POWER CAPABILITY ASSESSMENT SUMMARY)
TO
ANNEX A (MISSION FUNCTIONS DEPENDENCIES ASSESSMENT SUMMARY)

The UA electrical power routinely is provided by Tucson Electric Power. The Pima County area uses approximately 3000 megawatts of power daily. The U of A supplied portion of that is approximately 32 megawatts. A discussion with the Heads of Commercial Customer Care, Customer Accounts and Control Area operations was quite informative.

The conclusion of the TEP managers who work the electrical control aspects of the area-wide power provision responsibility indicates that as a worse case scenario the entire TEP service area could be without electricity for up to 24 hours. However, in order for such a power outage to materialize, a well-contrived plan resulting in serious damage to multiple power generating stations throughout Southern Arizona would need to occur.

If the electrical generating station supplying the UA with power is nullified for any reason, TEP indicates that a mobile generating unit would be moved in to replace the ineffective power station. TEP believes that it has the area redundancy; mobile transformers/equipment; multiple sources within and outside from which to purchase electricity; and an automated load leveling capability to balance the electrical needs of its customers area-wide. Additionally, TEP has a unit called Control, Area Operation, which devotes its time to war-gaming a variety of situations that could occur that are hostile to their mission. The war-games methodology is used to develop solutions to problems and accelerate responses to problems.

In view of the foregoing, UA power generating capability is an ace-in-the-hole. This capability provides a high probability that the UA will have access to the electricity needed to minimize disruptions in academic operations from an extended power outage. The power generated by the UA and individual building generators provide enough power to accommodate approximately 75 percent of UA daily requirements. Therefore, through a prioritization scheme which, for the most part, can be implemented remotely and a Purchasing Department generator fuel procurement plan there is an extremely high probability that UA high priority requirements will be satisfied.

Emergency contact telephone numbers for Tucson Electric Power are:

520.XXX.XXXX
520.XXX.XXXX

UA Colleges and support units were requested to provide a list of facilities with extraordinary requirements or impacts if electrical power is not received within 1-24 hours, 25-48, and 49-72 hours. This list shall be updated and prioritized annually for use in emergency situations when electricity from TEP is not available and UA needs are not being met. The annually established priorities may be changed by the UACERT or the UA official managing the incident.