



NOTES for SWAT Meeting at PNM

Albuquerque, New Mexico
March 4, 2004

On Thursday March 4, 2004 a SWAT Oversight Committee meeting was held in the La Estrella room at the PNM Headquarters building located in downtown Albuquerque, New Mexico. The purpose of the meeting was to review the SWAT Organizational Document and other related issues.

1) Introductions (Harlow Peterson, SRP): - Harlow opened the meeting with group introductions and corrections to the agenda. The "Top Ten challenges over the next ten years" was added to the agenda for consideration and discussion.

2) Review Organizational Document (Harlow Peterson, SRP): The SWAT Organizational Document was opened to discussion and no corrections were suggested (Harlow wrote it...). One recommendation was made that the Forest Service, BLM, or relevant Government Agencies be included in our activities, which may help smooth out or streamline future planning decisions. CATS has already included these organizations in their group. Multi-State protocol for transmission corridors from the Western State Governors might be useful and will be added to SWAT functions. The Western Utility Corridor Study and its web link will be provided.

Any other final comments regarding the organizational document are due back to Harlow by 3-12-04. The organizational document will then be finalized and sent out to the SWAT members.

3) Website Proposal (Rob Kondziolka, SRP) - The proposed SWAT website was presented for approval from the group. Rob indicated that Westconnect was offering to host the SWAT website. SWAT agreed to use the WestConnect website. WestConnect would be secure and would offer independent space for SWAT activities. SWAT would have a separate URL address (e.g. www.SWAT.com) with crosslink's to www.westconnect.com and www.SWAT.com included on each URL.

SRP offered to take the lead in the initial site development until the WestConnect server is up and running, sometime in the next two to three months. This temporary site will be located on the SRP website: www.AZPOWER.org. The temporary site proposal was moved, seconded, and approved by the SWAT committee.

Any comments on the website proposal including looking over the basic list of information to be included on the website should be sent to Rob.

Rob provided the following contact and website information to the group:

a) Western Utility Group (WUG) contacts for New Mexico

> Michelle Gallegos & Rick Precek; These two are from PNM.

b) BLM/WUG internet site or URL address:

> <ftp://ftp.id.blm.gov/pub/gis/wug/>

4) Regional/Sub-Regional Planning Coordination (Harlow Peterson, SRP) – The relationships of all of the Sub-regional Planning groups to the Western Region, such as SSG-WI, were discussed with regard to how we may coordinate sub-regional planning with the overall Western Region. The SWAT committee decided to send a representative to the next SSG-WI meeting on Monday April 4, 2004. One of the committee's main concerns was duplication of effort and having to attend too many coordination meetings. Coordination of the regional groups

should be an SSG-WI responsibility and the coordination should be done primarily at their group. Those attending the SSG-WI meetings should do this coordination.

5) Technical Committee Report (Gary Romero, SRP): - Gary opened discussion and presentation of the Technical Committee Reports.

- a. Colorado River Transmission report (Ken Bagley, CAP/Beck) – Ken showed map of Southern California and Western Arizona areas that will be coordinated with the Colorado Transmission planning effort. The plan included the Southern Nevada/Devers/Yuma/and PV areas as major concerns.
- b. CATS-HV (Bob Linssen, AZ Power Authority) – Provided a status report to SWAT (see handout).
- c. AZNM EHV Study (Mark Etherton, K.R. Saline) – Presented the project study plan. (see handout).
- d. Southern New Mexico Load Area Study (Dave Eubank, PNM) – Dave used a New Mexico map to present an overall view of the projects in the New Mexico area, including the Northern New Mexico Gladstone intertie project, which is scheduled for service in December of 2005. Dave also discussed the Southern New Mexico Export study, which was done in anticipation of generation additions to the Southern New Mexico area and the potential need to export power to the West.
- e. SWAT Regional Transfer to STEP study (Gary Romero, SRP) – Provided a status report to SWAT (see handout).
- f. SRP will develop a map for the SWAT footprint. PNM will provide a copy of its map for SRP to merge with the Arizona map.

6) Northeast August 14, 2003 Blackout investigation (Rob Kondziolka, SRP) – Rob discussed the NE blackout and its potential implications for SWAT. Voluntary vs. Mandatory compliance with regard to reliability criteria were also discussed.

Conclusions from the NE blackout included the following:

- Communication was non-existent
- There was no situation awareness
- Appropriate tools were not in place
- Training was inadequate
- Trees were not being serviced adequately to avoid ground faults.

Recommendations to WECC/SWAT

- Conform to new compliance templates
- More extensive auditing, by NERC
- Operator training, 5 days of emergency training for each operator (July 30 to July 04)
- Evaluate 230 kV zone 3 relays
- Evaluate Black Start restoration plans
- Benchmark operating study model data with actual system performance
- See NERC home page for additional recommendations.

Robs notes and slides have been included with the SWAT meeting notes.

7) Project Reports – Bob Smith, APS, provided updates for the PV/TS5 projects, which have a 2007 in-service date. Rob Kondziolka, SRP, provided updates for the PV to Pinal West line, which has its application currently in progress before the Arizona Power Plant and State Siting Committee.

8) Top Ten Challenges (Rob Kondziolka, SRP) – Rob requested that SWAT participants please send him their top five challenges over the next ten years. A composite list of the top ten will be assembled from the input received. He asked that no regulatory or contractual issues be included. This information will be used to help guide a workshop at the end of the month.

Next Scheduled SWAT Meetings: The next meetings will be on the following dates and locations:

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| Wednesday, | 4-28-04 | Phoenix, Arizona at APS |
| Thursday, | 8-05-04 | Denver, Colorado at Tri-State? |
| Wednesday, | 10-27-04 | Las Vegas, Nevada at NPC? |

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