



PRELIMINARY NOTES
Transmission Adequacy Steering Committee Meeting
and
Technical Workgroup Meeting
January 17, 2006 – Portland, OR

9:30 – 11:30 TASC Meeting

1. Introductions, Arrangements, and Agenda Changes Ravi/Dana

The Agenda is Attachment 1.

The Attendance List is Attachment 2. There were nine voting members present or on phone plus two by proxy (PAC in another meeting close by, proxy given to Marv). A quorum is 10 of 19. (Note that facilitators must remain neutral and therefore will abstain on any votes. Proxy notices should be provided by e-mail to Dana (and optionally Ravi) and designate someone other than a facilitator.)

2. Action Items from January 4, 2006 TASC Conf. Call Ravi Aggarwal

Notes from that call have been e-mailed. They are also available on the website.

3. Guidelines

- a) **Approval of TAG for N-2 Load Service** TASC
- b) **Load Area Examples for applicability of the N-2 Guidelines** Ravi Aggarwal

See Ravi's presentation (Attachment 3). The NERC standard regarding cascading is changing. There were some edits to the document. The definition of N-2 was considered at the last work group meeting. The technical workgroup defined it (for this proposal) as breaker failure and common tower (slide 5).

Bill Mittelstadt reported on his analysis of common tower vs adjacent. He notes that the likelihood of an outage is comparable for 115 and 230 kV. For 500 kV the common tower is twice as likely than adjacent for sustained outages. For momentary outages, common tower is more likely due to lightning. Bill suggests that we should include the adjacent lines in this analysis.

Marv Landauer moved to approve the proposal for N-2 as modified and shown on slides 3 (attachment 3). Chris Reese seconded the motion. The vote was 8 yes, 0 no, 3 abstain. The motion passes. (2/3 majority of those present required)

The proposal for N-2 is:

- 500 kV and 345 kV main grid is covered by WECC/NERC (meet N-2 outage for 1 in 2 load level)

- For 230 kV and below
 - Transmission Adequacy for service to load areas under N-2 (breaker failure and common tower):
 - No cascading beyond the local load area
 - Planned and controlled load shedding up to 300 MW at peak
 - Further study recommended if load tripping is above 100 MW or 50% of the total local area load
 - Consider cost of solution
 - Apply prudent utility practice
 - Controlled load shedding above 300 MW will trigger a Societal Benefit vs Cost of Project analysis

4. Next Steps

Ravi Aggarwal

Powerex requested for presentation on Societal/Benefit Cost analysis for Olympic Peninsula and document findings. Bill Mittelstadt will present the preliminary analysis of and discuss how customer outage cost is calculated and treated in the analysis.

Chris Reese requested to extend the approved proposal to address all level C outages. Additional discussions will take place in the next Transmission Adequacy meeting on Feb. 17 at PDX Conference Center. It is encouraged to review the materials sent by Bill Mittelstadt prior to the Feb. 17 meeting. The material focuses on addressing adjacent corridor outages and treatment within the transmission adequacy guidelines.

12:30 PM – 3:30 PM TAWG Meeting

- 5. TAG Load Service Word Document** All

- 6. N-1-1** All

- 7. RAS Table (NWPP)** Gordon Dobson-Mack

- 8. Next Steps/Assignments** All
Benefit/cost, RAS,

- 9. Next Meeting** Ravi Aggarwal