

**COLORADO COORDINATED PLANNING GROUP  
THURSDAY, DECEMBER 12, 2006 @ 09:00  
TRI-STATE OFFICES – WESTMINSTER, COLORADO  
9:00 a.m.**

**Meeting Notes**

1. Introductions and Meeting Arrangements
  - Chuck Sisk called the meeting to order at 9:00
  - Thanks to TSGT for once again hosting the meeting
  - Participant list is included {Attachment 1}
  - Changes to the Agenda:
    - Add Item 3A, a discussion on the Task Force on Reliable Electricity Infrastructure (Colorado House Bill 06-1325) by Sandra Johnson
2. Approved Minutes from August 17, 2006
  - Tom will make minor changes and repost on web.
  - Motion to approve minutes made and seconded, and minutes were approved.
3. Colorado Public Utilities Commission (Inez Dominguez)
  - Inez Dominguez (CPUC) said that a CPCN was granted for the Beaver Creek – Erie 115 to 230kV upgrade.
- 3A. Colorado Task Force on Reliable Electricity Infrastructure (Sandra Johnson)
  - Sandra Johnson (Xcel) mentioned that the Task Force convened in August 2006.
  - The final report was issued in November 2006. There were four basic recommendations:
    1. Transmission Cost Recovery Rider
    2. Identify Renewable Generation Resource Development Areas
    3. Governmental involvement with organizations like the Colorado Coordinated Planning Group
    4. Appropriate adequate funding for the Public Utilities Commission (PUC) to actively participate in regional electricity transmission planning, reliability and regulatory forums.
  - The report can be found at:  
[www.dora.state.co.us/puc/projects/ReliableInfrastructure/ReliableInfrastructure.htm](http://www.dora.state.co.us/puc/projects/ReliableInfrastructure/ReliableInfrastructure.htm)
4. Colorado Energy Forum (Bruce Smith)
  - Bruce mentioned that the Board of Trustees has authorized a 12 month phase 2 study to Colorado's Electricity Future. The CEF has given several presentations and can speak to any interested group.
  - Web site is: [www.coloradoenergyforum.org](http://www.coloradoenergyforum.org)
5. Tot 3 Update from WIA and TransElect
  - Jerry Vaninetti (TransElect) gave a presentation of the status {Attachment 2}
  - The purpose of the project is to construct transmission that can bring low-cost coal and wind resources into the Colorado Front Range.
  - A Tot 3 expansion project was recommended by the Rocky Mountain Area Transmission Study (RMATS).

- Siemens/PTI has been doing system studies work.
  - Burns & MacDonald has been commissioned for corridor studies.
  - An Open Season for capacity and ownership interest is planned for 2007.
  - Updates will be provided on the web site, [www.wyia.org](http://www.wyia.org)
6. WestConnect/SWAT/CCPG Planning Principles (Rob Kondziolka – SRP)
    - Rob has presented the Westconnect Principles to the WECC Transmission Expansion Planning Policy Committee (TEPPC). TEPPC is interested in using the document and expanding to include other subregions. The intent of the document is to help meet certain FERC requirements.
  7. NERC/WECC Study Group 2006 (Matthew Stoltz – BEPC)
    - A draft report was sent out last week.
    - Matthew will work with others to develop the final report.
    - The goal is for participants to use the final document to help meet NERC Transmission Planning Standards TPL-001, 002, 003, and 004.
  8. Foothills Area Sustained Low Voltage Event – June 4 (John Collins – PRPA)
    - John described the June 4 event. He also mentioned that the Foothills Planning Group intends to perform long-range and voltage stability studies. The studies will begin once the group develops an appropriate base case.
  9. Under Voltage Load Shedding All
    - Chuck Sisk gave a brief presentation and asked how others are complying with NERC Standards regarding UVLS. Tom mentioned that PSCo has under-voltage load shedding, but does not consider it to be a “program”, since it was implemented for localized rather than bulk transmission system protection.
  10. Waiver of Scheduling Practices During Emergency (Gerry Stellern)
    - Gerry discussed the WECC requirement that paths cannot be scheduled beyond their rated limit, regardless of actual power flows. Bob Johnson (PSCo) would like to make a proposal to WECC to relax the requirement, so that during emergency situations (e.g. NERC Level 1 Conditions), that paths would be allowed to over-schedule up to allow actual flows up to 95% of the rated limit.
    - CCPG members favored the idea.
    - Bob will pursue the proposal with the OTCPG and WECC.
  11. Base Case Development (Gene Medina – WAPA/RMR)
    - WECC cases recently completed are the under various stages of development include the August 25, 2005 Validation Case, the 2008 Heavy Spring case,
    - Cases under review are the 2007 Heavy Summer Operating Case, and a 2010 Light Autumn Case.
    - Upcoming data submittals will be needed for a 2015 Heavy Summer, a 2016-17 Heavy Winter, and a 2011 Light Summer.
    - The SRWG is also participating with the TSS Base Case Improvement Process Task Force.

12. Short Circuit Database Group (John Collins)

- John indicated that progress is being made, and that the accuracy of modeling has improved.

13. OTCPC (Brent Vossler)

- Brent Vossler provided updates of the ongoing activities for the Tot transfer paths. A study group has been formed to look at how Tot 1A is managed. The group includes Deseret, Pacificorp, Tri-State, PRPA, WAPA, and PSCo. A meeting is scheduled for March 1, 2007. A Study Plan for Tot 2B/2C was presented {Attachment 3}. Some prior outage studies are being done for Tot 5. John Collins indicated that operating studies will be done for Tot 7, but don't have to be done for OTC.

14. Rocky Desert Reliability Coordinator (John Greenlaw)

- John Greenlaw encouraged the group to submit all of their changes and additions to the transmission system to the WECC Grid Alert Program.
- Grid Alert is a tool used to track transmission system changes and additions. Each entity submits their data in the Grid Alert Program and then other authorized entities can see what changes are being made to the system and request additional data if required. Grid Alert is a stand-alone program for communicating future planned changes to the transmission system to all interested and authorized entities. Only two entities have used the tool since the last request.

15. FERC/NERC/WECC (Bob Easton – WAPA)

- Bob provided an update on activities with the Transmission Expansion Planning Policy Committee (TEPPC). The group has been preparing work plans and intends to eventually do production-cost studies for WECC. Both 10-year and 5-year scenarios will be evaluated.
- NERC – there are 83 standards that will require mandatory compliance, and 24 remanded back to NERC for further definition.

16. Studies of Proposed Projects

- High Plains Express
  - Sandra gave a brief summary of the HPX project. An effort to begin studies has just been initiated, which will involve looking at transmission development from Wyoming, through Colorado and New Mexico, and into Arizona. The study intends to evaluate synergies with other major regional projects under development.
- PSCo All-Source
  - Nothing new to report.
- San Luis Valley Sub. 2<sup>nd</sup> 230kV Source (TSGT)
  - Noting new to report. Keith indicated that the EIS is out, they are still exploring participation with PSCo.
- Animas-LaPlata (WAPA)
  - Bob Easton – In-service date still planned for March 2008.
- Wind Generation
  - No report
- Tot 1A Transfer Study
  - No new report.

- Eastern Plains Transmission Project
  - Mark Graham (TSGT) said that tower designs were being developed. The conductor has been decided as 3-bundle 1272 Bittern. Corridor studies are under way. Planning has posted preliminary results on the web site:
  - Public hearings are scheduled for February 2007.
- Wyoming Joint Queue Study
  - Next step is a Facilities Study.
  - Information has been posted on [www.westtrans.net](http://www.westtrans.net) at <http://www.oatioasis.com/LAPT/LAPTdocs/Wyoming-Joint-Queue-Study.pdf>
- Dry Fork Generation
  - Bob indicated that the project appears to be on schedule for 2011.
- Wygen 2
  - Vance Crocker (BHP) indicated that the Wygen 2 project was scheduled for the 4<sup>th</sup> quarter of 2007.

#### 17. Status on Projects Committed or Recently In-Service

- Granby Area
  - Bob Easton indicated that the project has been put on hold. The in-service date is planned for June 2008.
- Nucla-Telluride 115kV Line
  - Keith: TSGT is continuing to look at potential routing and is negotiating for right-of-way.
  - The project has an in-service date of 4<sup>th</sup> Q 2008.
- Walsenburg-Gladstone 230kV Line
  - Keith: The line is nearing completion and is planned to be in-service by January 2007.
- Comanche-Daniels Park 230/345kV Rebuild
  - Tom indicated that a CPCN had been granted and the project is scheduled to be in-service in 2009.
  - PSCo intends to construct the line to comply with noise levels as required by the PUC.
- Western Transmission Plan 2007 – 2016
  - Bob Easton provided an update. The Beaver Creek – Hoyt line is expected to be finished by September 2007. The Hoyt – Erie line (50 miles) is scheduled for December 2009.
  - Miracle Mile – Cheyenne – Ault is under construction. The Miracle Mile – Cheyenne rebuild from 115 to 230kV is scheduled for February 2009. Cheyenne – Ault is scheduled for December 2009.
- Fordham-Fort St. Vrain 230kV Line
  - John Collins (PRPA) indicated that the ISD is now scheduled for the 3<sup>rd</sup> quarter of 2008.

#### 18. Additional Items

- None

#### 19. Next Meeting

- Scheduled for April 19, 2007, at Tri-State.

#### 20. Adjourn