

**West of Cascades (WOC) Sub-area Work Group Meeting
October 21, 2009**

I) Review Deliverables For The Sub Area Work Group Include:

- 1) Recommendations of a basecase (benchmark) - to use for studies
- 2) Loads & Resources Assumptions
- 3) Matrix Critical Paths-development
- 4) Schedule Milestone- to be driven by the needs of the project sponsors

II) TCWG Projects Included In WOC Sub Area

- PGE - Cascade Crossing
- BPA - WOMR,
- BPA – I-5 Reinforcements
- Sea Breeze - West Coast Cable

Project not in TCWG but currently in WECC Phase 2 to be determined if need to be addressed by this group.

III) Review of Action Items

- 1) BPA – Identify common mode contingencies (Kyle) ---- 3 weeks
- 2) Clearly identify fixes – remove which contingencies (Anders/Kyle)
- 3) “new rating” Big Eddy - Parkdale & Parkdale – Troutdale (Anders/Kyle)

- 4) (Gordon will connect with Philip for Columbia Grid cases)
- 5) Matrix of Critical Paths (Philip)
- 6) Common contingencies created by SO Cross (Philip)
- 7) PGE to chair next month

IV) Base Case Development

a. Base Cases Decided on

- i. WECC bulletin board cases 2013 hs1, hw2014 scaled to 2015 load level. Columbia Grid/Documented changes Type Base Case zip file hw114, zip file hs213

b. Two generation scenarios were discussed by the group.

- 1) *East-West* to address Cascade Crossing and WOMR needs, (winter limited)
- 2) *North-South* to address I-5 reinforcement needs & West Coast cable (summer limited)

c. Loads and Resources Assumptions

- 2015 priority generation being added issue
- Hydro levels to be determined
- Previously developed in TCWG-R1/R2/R3 = 6,000 MW wind
- Existing resources built or under construction or are in LGIP queue.

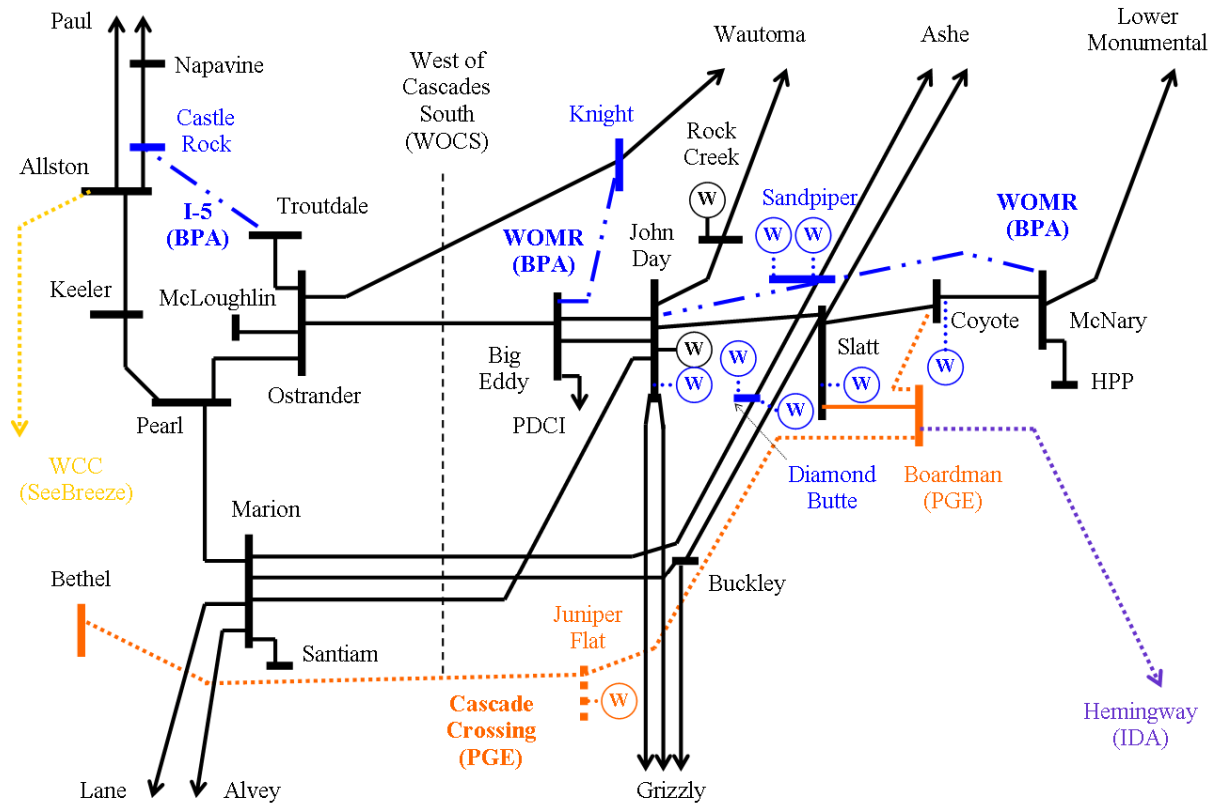
d. Review of Study Methodology points made

- 1) Path 3 - Interaction to the N-S summer S-N with critical to study
- 2) Boardman 2 Hemingway is a potential source
- 3) Is the capability of WOCS impacted by the addition of these projects
- 4) Discussed studying all parallel projects to determine a new path rating or an individual project rating (to be determined by Project Sponsor).
- 5) WOCS-reconfirm 7000 MW rating TTC as a Base prior to WOMR
WECC bulletin board cases 2013 hs1, hw2014 scaled to 2015 would be good starting points Columbia Grid have used these cases in the system assessments
Columbia Grid/Documents Type Base Case zip file hw114, zip file hs213
- 6) Scale Load & Generation / Reduce Generation in load area.
- 7) Sensitivity to Northern Lights Project
- 8) Add Cascade Crossing then modify
 - 1) Increase load to a 1in 5 projection
 - 2) Redispatch generation for high east-west transfers for first set of cases
 - 3) Redispatch generation for high North to South transfers for second set of cases
- 9) Identify intermediate study points to establish trend lines

V) Matrix Critical Paths

Matrix of Critical Paths								
Case	Description	WOCS	S of A	COI	N of JD	WOM	WOS	NW-CAN
	East to West Transfers							
0)	Benchmark loaded case							
1)	WOMR added							
2)	Cascade Crossing added							
3)	All TCWG Projects added							
	North to South Transfers							
4)	Benchmark loaded case							
5)	WOMR added							
6)	Cascade Crossing added							
7)	All TCWG Projects added							

TCWG WOCS Group: 500 kV System Diagram with Planned Projects. 10/20/2009



Transmission Coordination Work Group Meeting - WOC
October 21, 2009 - Portland, OR

Attendance List

	Name	Company	Phone Number	Email
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