

**Mountain States**  
**Transmission Intertie**  
**MSTI**  
**Review Group Meeting Minutes**  
**October, 30 2007**

Review Group Attendance List

	Paul Arnold	Columbia Grid
	Philip Augustin	PGE
	Kenneth Dillon	PGE
Phone	Joe Dooling	Sweetgrass Energy
	Edison Elizeh	Pacificorp
	Stan Gray	RES America Development
Phone	Mark Hanson	Idaho Power
	Sharon Helms	NTTG
	Robert Jenkins	PG&E
	Samuel Kwong	Williams Power
	Shamir Ladhani	Enmax Power
Attend	Peter Mackin	USE
	John Martinsen	Snohomish PUD
	Jeff Miller	Pacificorp
	Bill Pascoe	Consultant
Phone	Glen Tang	PowerEx
	Maifiny Vang	Calif Dept of Water
	Edi von Engen	Sierra Pacific
	Scott Waples	Avista
	Lorry Wilson	
	David Weige	Westmoreland
	Jon Williamson	PPL Energy Plus
	Daniel Wood	USE
	Tom Kaiserski	New Energy Division
	Mark Landauer	Columbia Grid
	Mark Mallard	NWE
Attend	Kathy Bauer	NWE
	Tom Pankratz	NWE
Attend	Chuck Stigers	NWE
Attend	John Leland	NWE
Attend	Ryan Munson	NWE
Attend	John Cummings	NWE
Phone	Craig Quist	PAC
Phone	Rebecca Berdahl	BPA
Phone	Ray Brush	NWE

1. Meeting Room Facilities:
  - a. Lavatories, Breaks, Refreshments
  - b. Handouts located on table
2. Introductions and read standards of conduct
3. Review agenda and suggest changes
4. Previous Meeting Action Items
  - a. Minutes and/or action items from last meeting (see Mountain\_states\_transmission\_intertie\_17\_sep\_07\_review\_group\_agenda\_from\_mtg\_draft\_1.doc
    - i. Minutes: Comments or corrections? Minutes for 17-Sep-07 approved by voice vote
    - ii. Action Items
      1. Slider drawing of Montana and Idaho/Wyoming/Utah (see light\_base\_non\_stressed.pdf and heavy\_base\_non\_stressed.pdf ) There was a general discussion on which NTTG projects to include and most folks believed that ALL NTTG projects should be in the NTTG cases. Specifically, the LS Power line from Midpoint to great Basin 2 (Duck Creek) was discussed and NWE said they would add the line to their cases. Craig Q. asked that any changes be sent to him by this Friday. Craig also asked for a “read\_me.doc” from everyone on how to disable their projects.
      2. Add base case descriptions and outage list to Study plan Rev 5 (inc PAC outage list (esp. N-2)) (see

msti\_phase\_1\_study\_plan\_rev5.doc AND PACE\_N2\_for\_msti.con). A few comments on outage names were made, but Revision 5 of the study plan was reviewed and accepted. More detail will be added to the document as the outages and base cases are finalized. Idaho mentioned they may have a more robust plan for Populous to Hemmingway but that it would perform better than the model in the base cases so there is no need to update the base case model until more is known.

3. Phase 2 projects to include or not (see phase\_2\_projects\_for\_inclusion\_17\_oct\_07.doc or msti\_phase\_1\_study\_plan\_rev5.doc). There was a general discussion on which projects to include and which to exclude. The list presented was accepted once Palo-Verde – Devers #2 was added to the “Included” list. A few questions were asked about Northern Lights but the consensus was unless a project is far enough along and near MSTI, it need not be included.

## 5. NTTG update

### a. Computer model updates

#### i. IPC/PAC/NWE base case status

1. Tuned-up (No NTTG) & Fast-track (NTTG) case status

- a. BCH1: John C (see case\_compare\_oct\_07.doc, casum\_msti\_all.xls, HEAVY\_MSTI\_0.pdf,

HEAVY\_MSTI\_1500.pdf,

HEAVY\_MSTI\_1500\_mpsl\_oos.pdf,

HEAVY\_MSTI\_1500\_mpxf\_oos.pdf )

John's preliminary investigation focused on two outages in Idaho, loss of MP-SL and loss of the MP 500/345 kV transformer. All results looked good thermally.

b. CCH1: Ryan (JC; copies for minutes)

c. CCL1: Peter (JC; copies for minutes)

d. BCL1: To Do

ii. Dynamic data set preparation. The wind models are giving us trouble in V30 and one approach would be to use CIMTR4 models. These are very conservative and if no problems showed up with the CIMTR4 models, none would show up with the correct dynamic model.

b. There will be a meeting in Boise on 13-Nov-07 that John Leland, John C and Ryan M will attend.

6. MSTI Northern Terminus (see northern\_terminus\_overview.doc)  
NWE is still designing its "collector" system to bring wind, thermal and other energy to the 500 kV substations in Montana. The northern terminus has 8 various concepts that may be turned into plans or may not.
7. Model or topology data questions or comments
8. Approved 17-Sep-07 minutes and progress reports will be posted (MSTI website) (JC: To Do)