



**Southwest Power Pool  
MODEL IMPROVEMENT TASK FORCE  
June 14, 2010  
Teleconference  
1:30 P.M. – 3:00 P.M.**

**• A G E N D A •**

- 1. Administrative ..... Travis Hyde
  - a. Review agenda
  - b. Review previous meeting minutes
  
- 2. MITF Strawman/Whitepaper..... All
  
- 3. Other ..... All
  
- 4. Closing Administrative Duties..... Travis Hyde
  - a. Adjourn meeting



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**• M I N U T E S •**

**Agenda Item 1 - Administrative Items**

The meeting was called to order at 1:30 p.m. The following Model Improvement Task Force (MITF) members were in attendance:

Travis Hyde – Oklahoma Gas & Electric (OGE)  
Mike Clifton – Oklahoma Gas & Electric (OGE)  
Don Taylor – Westar Energy (WERE)  
John Fulton – Southwestern Public Service (SPS)  
Reené Miranda – Southwestern Public Service (SPS)

SPP Staff in attendance included Kelsey Allen (Secretary), Chris Jamieson, John Mills, and Scott Jordan.

The following guests were also in attendance:

Mitch Williams – Western Farmers Electric Cooperative (WFEC)  
Nathan McNeil – Midwest Energy (MIDW)  
Sayed Ahmad – Federal Energy Regulatory Commission (FERC)

The agenda (**Attachment 1 – MITF Agenda 2010614**) stands.

**Agenda Item 2 – MITF Strawman/Whitepaper:**

The group started discussion with additional topics brought forth by its members. Reené Miranda began with discussing additional issues of concern for SPS. The first issue, explicit modeling of reactive control devices, covers the practice of netting reactive capability. Net var modeling is sometimes used instead of showing discrete capacitor or reactor banks that are available for switching. Modelers need to accurately reflect reactive devices, making sure real capacitor bank stages are broken out and voltage bandwidths are set correctly. The group agreed that this should be done. Kelsey Allen suggested adding this as an agenda item for the next MDWG meeting.

John Fulton covered the next issue of concern for SPS, stability data submission and load modeling. John explained that the use of a reference machine needed for stability studies needs to be defined outside of SPP rather than imbedded inside SPP. Don Taylor said that Westar uses Browns Ferry on the TVA system as a reference machine.

Scott Jordan, who is now performing dynamic modeling and stability studies at SPP, will take an action item to contact Siemens/PTI inquire about the use of a reference machine near or away from the RTO footprint.

The other dynamic modeling issue covers the current practice of modeling all load at 100% constant current. More representative load modeling practices should be used as the constant current loads are worst case but are also unrealistic. He suggested gathering data from members regarding the percentage of constant current load that should be used under different time frames (time of day, seasonal) such that more accurate values can be indicated in the run stream. Scott Jordan took an action item to poll members on this topic.

Reené Miranda began discussion on the final topic added by SPS, generator stability model data. This item covers the issue of data submission requirements for certain SPP studies and the sensitivity of proprietary information. SPP requires stability data for the purpose of impact studies in the GI process. Because much of this data provided by GI customers is proprietary, SPP is not making this data available to Transmission Owners as well as not adding the accurate data to the public models produced by SPP MDWG and its dynamics coordinator. Don Taylor asked if GI customers are required to register with NERC as a generation owner, suggesting that as an outlet for gathering data. Kelsey Allen mentioned the requirement as a part of a signed Interconnection Agreement that GI customers provide accurate modeling data at least 6 months prior to the completion of a project. Don questioned if SPP is following up with this requirement. John Mills stated that he has been working with Ron Ciesiel, Executive Director of Compliance, but has not come to a definitive answer. He took as an action item to continue working on this issue until a proper solution is reached. Travis Hyde summed up the conversation by stating that this issue needs to be addressed either under the SPP GI process or the SPP Regional Entity. Scott Jordan explained his work in the interim to coordinate with the SPP GI staff on topology to pick generic models to mimic the proprietary data provided by the GI customers.

Dustin Betz also provided additional comments and topics for the group to discuss. Kelsey Allen briefly responded to Dustin's comments and questions, making notes in the strawman document.

The group continued rehashing some of the previously discussed issues of the strawman document beginning with item 1.a. The group still expressed concern with implementing SPP's automated dispatch process at the MDWG levels. Don Taylor pointed out that SPP will be controlling market dispatch in the future with the implementation of the day-ahead market and the consolidated balancing authority. With no consensus on this topic, Kelsey suggested as a minimum to implement this process as a trial run with the 2011 series model build in conjunction with the current process. The group was agreeable to this suggestion.

### **Agenda Item 3 – Other:**

No other topics were discussed.



**Agenda Item 4 - Closing Administrative Duties:**

*Adjourn Meeting*

The MITF meeting was adjourned at 3:00 p.m.

Respectfully submitted,  
Kelsey Allen  
MITF Secretary