



**Southwest Power Pool
MODEL IMPROVEMENT TASK FORCE**

April 19, 2010

1:30 P.M. – 3:00 P.M.

Teleconference

• 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, Chair – Oklahoma Gas & Electric (OGE)
Mike Clifton – Oklahoma Gas & Electric (OGE)
Don Taylor – Westar Energy (WERE)
Dustin Betz – Nebraska Public Power District (NPPD)
John Fulton – Southwestern Public Service (SPS)
Reené Miranda – Southwestern Public Service (SPS)

SPP Staff in attendance included Kelsey Allen (Secretary), Bob Lux, Anthony Cook, Chris Jamieson.

The following guests were also in attendance:

Mitch Williams – Western Farmers Electric Cooperative (WFEC)

The agenda (**Attachment 1 – MITF Agenda 20100419**) was reviewed and no changes were made.

Agenda Item 2 – MITF Strawman:

Forecasting of Rollover Rights

The task force began discussion on item 3.b. of the strawman document. This item covers the issue of transmission service rollover rights and how they are currently addressed in the MDWG manual. The manual encourages planners to model rollover rights, but this assumption can result in the identification of a reliability project where none would have been identified otherwise. Staff suggests that planners project their use of firm transmission service over the planning horizon in the MDWG models. SPP still has an obligation under Attachment O to the Tariff to protect customer's rights to transmission service which is currently being met by the use of scenario models in the STEP Reliability and Aggregate Transmission Service studies.

Don Taylor asked the question of how many customers actually roll over transmission service rights. Regardless of general practice, Don advocated the use of the scenario model concept and their protection of rollover rights.

John Fulton brought up the issue that the MDWG members don't know what reservations have rollover rights as transmission planners may not have access to OASIS. He questioned how this would be applied in the MDWG process.

John summed up staff's current process by advocating that the STEP continue to look at the boundary conditions associated with rollover rights.

Improve Identification of Major Model Changes and Errors

Discussion continued with item 4.a. of the strawman. This item describes the need for utilizing better tools both internal and external to SPP that can be used to identify errors in and major changes between series or passes of the models.

Since drafting the strawman, staff has begun to implement some tools to aid in this effort. Staff has implemented the use of a docucheck program developed by the MMWG to identify and report errors in the powerflow models. In its current form the reports are extensive and somewhat cumbersome as they identify many things that would not inherently cause issues but are more for appearance, yet still leave some things unchecked.

Kelsey Allen asked the MDWG members on the group to comment on SPP's use of the docucheck program and reports during the 2010 series build 1 MDWG model building process. Reese Miranda has previously stated that the reports were helpful but were still lacking in data and intelligence. As an example, switched shunt bandwidth errors should not be reported for those shunts that are operating in fixed mode.

Travis Hyde commented generally on the topic, mentioning that the TWG is concerned with what's in the models and their overall accuracy.

Improve Regional Data Coordination and Checks

Discussion continued with item 4.b. of the strawman document. This item addresses past errors in modeling region ties and the need for better coordination with 1st tier regions to update modeling data.

SPP has recently implemented processes to help address the issues this item describes. With the 2009 Series MDWG Build 2 models SPP began using the MMWG Master Tie File and associated Power Flow Database as a tool to model all region ties. This file is coordinated at the MMWG level and is the source for all region ties, removing existing ties between regions prior to applying the coordinated file. With the 2010 Series STEP Build 1 models SPP has coordinated a data swap with neighboring systems, including updated modeling information for AECl and EES in the model build. Staff should look at continuing this effort in the future and look at expanding.

Modeling Projects in MOD Before RTO Need Date

Discussion continued with item 4.c. of the strawman document. This item addresses the current practice of some Transmission Owners of modeling projects that are not in-service before the RTO determined need date (for applicable projects, i.e. those that have received an NTC). This practice can result in masking reliability issues or allow SPP to oversell transmission service in the event that the projected in-service date, which is earlier than the RTO determined need date, is not met.

John Fulton noted that TOs may be cycling through studies faster than SPP and have a better idea of a projects actual need date, or the work schedule may dictate and updated need date.

Don Taylor reiterated SPP's concern, stating that the idea is to protect against selling transmission service on ATC that doesn't exist due to a delayed project.

John Fulton doesn't support this idea.

Review, Expansion, and Implications of MOD Project Types

Discussion continued with item 5.a. of the strawman document. This item addresses the need to update the current approved MOD Type/Status matrix which categorizes modeling changes and transmission projects and dictates which model sets these projects are included in. Kelsey Allen briefly explained that the current matrix is outdated and will need to be updated due to the new ITP processes as well as the decisions that this task force will be making.

Auxiliary Files Coordination and Organization

Discussion continued with item 5.b. of the strawman document. Currently the monitored, contingency, and invalid contingency files used for studies are updated each year by staff involved in the STEP model building process. The annual update of these files should be included in the MDWG model building process.

John Fulton stated that the contingency files compiled by SPP should be used in all processes. The current process for taking contingencies using POM is suspicious. Dustin Betz echoed John's concern and also added that contingency files should be developed for each yearly model. Kelsey Allen stated that staff currently includes needed changes that occur throughout the planning horizon in one master contingency file.

John Fulton advocated the development of a full contingency list and doing away with the use of the PSS/E single contingency function.

Kelsey Allen clarified his earlier statement by saying that he was not proposing the development of a full contingency file, but the continued utilization of the PSS/E single contingency file in conjunction with a list of invalid contingencies.

Agenda Item 4 – Other:



No other topics were discussed.

Agenda Item 5 - Closing Administrative Duties:

Adjourn Meeting

The MITF meeting was adjourned at 3:10 p.m.

Respectfully submitted,
Kelsey Allen
MITF Secretary