

**Southwest Power Pool
MODEL DEVELOPMENT WORKING GROUP**

**March 2, 2015
Conference Call
10:30 – 11:30 A.M.**

• M I N U T E S •

Agenda Item 1 - Administrative

The meeting was called to order at 9:08 a.m. The following Model Development Working Group (MDWG) members were in attendance:

Nate Morris, Chair – Empire District Electric Company
Joe Fultz – Grand River Dam Authority
Dustin Betz – Nebraska Public Power District
Derek Brown – Westar Energy
Liam Stringham – Sunflower Electric Power Corporation
Reené Miranda – Southwestern Public Service
Brian Wilson – Kansas City Power & Light
Jason Shook – GDS Associates

SPP Staff in attendance included Anthony Cook (Secretary), Jason Terhune, Mitch Jackson, James Bailey, John Mills, and Zackary Bearden.

The following guests were also in attendance:

Wayne Haidle – Basin Electric
Gimod Olapurayil – ITC Great Plains
Mark Reinart – Golden Spread Electric Cooperative
Jason Bentz – American Electric Power
Jerad Ethridge, James Thomas Jr. – Oklahoma Gas & Electric
Bruce Doll – Municipal Energy Agency of Nebraska
David Spargo, Tom Mayhan – Omaha Public Power District
John Turner – Board of Public Utilities of Kansas City, Kansas
Jerry Bradshaw - City Utilities of Springfield

Meeting Agenda

There was not a meeting agenda prepared for this meeting.

The group decided to discuss four items: The finalization of the 2015 MDWG Powerflow models, 2026 summer model for ITP10 study, Need for additional models for 2015 MMWG, and 2015 Short Circuit models. Jason Shook motioned to approve the adhoc agenda; Reené Miranda seconded the motion. The motion passed unopposed.

Agenda Item 1 – Finalization of 2015 MDWG Powerflow:

Anthony Cook gave a status of the models as delivered on February 26, 2015. He stated that the major docucode issues have been corrected; however, a few individuals are still submitting changes. Anthony stated that this is unacceptable given the number of chances to review the models and that any additional corrections should be posted as post-processing corrections. Nate Morris asked for an approximation of the number of changes submitted since January 1, 2015. Anthony stated that over 100 additional corrections have been submitted since the members December 31, 2014 deadline. Nate stated that he would be working with Anthony to compile a list of each company that submitted late changes. Based on this report, he will be contacting individuals to develop an action plan for future builds.

Nate asked to hear the opinions of the members about finalizing the powerflow models and having any additional changes submitted as post-processing corrections. Reené Miranda stated that NTC data specifics were created by SPP Staff are not in the models as the NTC will be accepted. Nate stated that the assumptions are as good as anyone presently has and should not prevent the models from being finalized. Anthony stated that if members get updates for NTC data, they are able to supply them during the ITP model building efforts. Derek Brown and Dustin Betz stated that enough time has been given and the models should be finalized. Jason Bentz stated that AEPW is not in favor of finalization due to the load and generation changes to the AEPW area during the last pass of the model build. Anthony gave an overview of the problem and the steps taken to correct the remaining issues.

Nate asked if there were any additional comments to make before asking for a motion. After hear no other comments, Derek Brown motioned to finalize the models as posted and allow members to submit post-processing corrections. Joe Fultz seconded the motion. There was one opposing vote from AEPW. The reason is below:

“The issue that AEP has that led to the No vote has to do with WFEC’s loads as a whole, whether they are on WFEC’s system or AEP’s, OG&E’s, etc. WFEC’s loads increased by 300-400 MW in all cases between pass 4 and the final pass of the 2015 series models. This caused issues with overloads on AEP lines and SPP’s desire to make a fictitious transaction from AEP to WFEC to serve the dramatic increase. Neither the increase in load nor the fictitious transaction were presented to AEP until well past the original deadline for the cases. We noticed the issues on our system, but not the cause, and reported any changes that we needed to make to correct them.

I believe that WFEC’s load forecasts have issues and more investigation into the dramatic load increase is needed. I understand that we needed to approve the cases and figured that our No vote wouldn’t derail the process. However, these issues could cause problems with the ITPNT and ITP10 studies.”

AI: Anthony to create a report of late submissions.

AI: Nate to contact individuals based on late submission report.

Agenda Item 2 – 2026 Summer Model for ITP10 Study:

Nate stated that given the responses from the members, there would be very little differences between topology, load, and generation between a 2025 summer and a 2026 summer model. He stated that there were only two individuals that submitted any generation changes for the 2026 summer. Based on this, he stated that the 2025 summer with the submitted generation changes will be used for the ITP10 study.

Agenda Item 3 – Additional models for 2015 MMWG:

Nate stated that the 2020 and 2025 MDWG models will be used for the 2021 and 2026 MMWG requested models. Anthony stated that only two additional models will be needed and they are 2017 Light Load and 2017 Summer Shoulder. He stated that the base profiles will be that of the 2017 Spring and 2017 Summer and will be uploaded to MOD. The members should updated these profiles for the July submission to the MMWG.

Agenda Item 4 – 2015 Short Circuit Models:

Derek Brown asked for SPP to build a 2016 Summer for the short circuit build to comply with the new TPL standard. He stated that it is needed for comply with the year one definition. Brandon Hentschel stated that the external data will be that of a 2015 summer. He also stated that the MRO data for the IS system has also been updated. Anthony asked if the members feel the models need an additional review period. The group decided to give until Friday, March 13, 2015 to review the model set and submit updates.

AI: SPP Staff to post models on March 3, 2015.

AI: Members submit updates by March 13, 2015.

Agenda Item 5 – Summary of Action Items:

- **Anthony to create a report of late submissions.**
- **Nate to contact individuals based on late submission report.**
- **SPP Staff to post models on March 3, 2015.**
- **Members submit updates by March 13, 2015.**

Adjourn Meeting

Jason Shook motioned to adjourn the meeting, Reené Miranda seconded the motion. The motion passed unopposed.

Respectfully submitted,
Anthony Cook
SPP Staff Secretary