

**Southwest Power Pool, Inc.
Model Development Working Group
Conference Call**

October 1st: 9:00 A.M. – 10:30 A.M. (CDT)

• M I N U T E S •

Agenda Item 1 – Administrative Items:

– Agenda Item 1a and 1b – Call to Order & Antitrust Statement:

The meeting was called by Chairman, Nate Morris, to order at approximately 9:02 a.m. on October 1st. The SPP Antitrust statement was read to the group at the start of the meeting on October 1st.

– Agenda Item 1c and 1d – Attendance and Proxies:

The following MDWG members and guests attended.

MDWG Members present:

Sunny Raheem mentioned the group does have two open seats at this time. Nate Morris mentioned to the group that discussion about the two open seats will be discussed at the October 4th MDWG conference call.

MDWG Member	Present	Proxy	Present	Company
Nate Morris	YES			Empire District Electric Company
Derek Brown	NO	Marcus Moor (9:00-9:45am) and Ryan Baysinger (9:45-10:30am)	YES	Evergy Companies
Dustin Betz	YES			Nebraska Public Power District
John Boshears	YES			City Utilities of Springfield
Jerad Ethridge	YES			Oklahoma Gas & Electric
Joe Fultz	YES			Grand River Dam Authority
Holli Krizek	NO			Western Area Power Administration
Reené Miranda	NO	Aravind Chellappa	YES	Southwestern Public Service
Alex Mucha	NO			Oklahoma Municipal Power Authority
Scott Schichtl	YES			Arkansas Electric Cooperative Company
Jason Shook	NO			GDS Associates
Liam Stringham	YES			Sunflower Electric Power Corporation
Open Seat	N/A			N/A
Open Seat	N/A			N/A
Sunny Raheem	YES			Southwest Power Pool, Inc.

Antitrust: SPP strictly prohibits use of participation in SPP activities as a forum for engaging in practices or communications that violate the antitrust laws. Please avoid discussion of topics or behavior that would result in anti-competitive behavior, including but not limited to, agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition.

Additional Guests present:

In addition to WebEx attendance

Guests	Company
Martin Green	American Electric Power
Josh Hesselbein	Arkansas Electric Cooperative Company
Preston Blinsky, Ryan Koch	Basin Electric Power Cooperative
Kevin Foflygen, Jeff Knottek, John Allen	City Utilities of Springfield
Jeff Crites	Empire District Electric Company
Lafayette Gatewood IV, Jeremy Harris, Ryan Baysinger, Marcus Moor	Evergy Companies
Diego Toledo, Dona Parks, Kiet Nguyen	Grand River Dam Authority
Michael Wegner	ITC Great Plains
Alan Burbach	Lincoln Electric System
Tom Homewood	Midwest Energy
Armin Sehic	Municipal Energy Agency of Nebraska
Jarrod Wolford	Northeast Texas Electric Cooperative, Inc
James Thomas	Oklahoma Electric and Gas Company
Eddie Watson, Jeff McDiarmid	Southwest Power Pool, Inc.
Scott Mijin	Southwestern Power Administration
Aravind Chellappa	Southwestern Public Service
Tanner New	Sunflower Electric Power Cooperative
Patrick Jackson	Tenaska
Chris Gilden	Tri-State Generation & Transmission
Ben Hammer, Garrick Nelson	Western Area Power Administration

Antitrust: SPP strictly prohibits use of participation in SPP activities as a forum for engaging in practices or communications that violate the antitrust laws. Please avoid discussion of topics or behavior that would result in anti-competitive behavior, including but not limited to, agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition.

– Agenda Item 1e(i) – Agenda Review (Action Item):

Nate Morris asked the group if they had any modifications to the agenda or issues with the posted material. The group did not voice any modifications.

Motion: Dustin Betz motioned to approve the agenda as presented during the meeting (OCT1_MM_Attach 1 - 1e. MDWG Meeting Agenda 20181001.docx). Scott Schichtl seconded the motion. The motion passed unanimously.

Agenda Item 2 – 2018 MDWG Dynamic Models Discussion and Approval (Approval Item*):

Nate Morris led the group in discussion and proposed approval of the 2018 MDWG dynamic model discussion. Nate asked the group if they had an opportunity to review the final models and if the group had any concerns about the models.

Sunny Raheem outlined the latest member feedback and proposed post-processing updates received since posting the models on September 24th. Sunny stated the simulations meet the project scope of simulating in PSSE v33.10, however the SPP consultant did observe some difficult simulating in PSSE v33.11 due to data changes after the initial posting. Sunny outlined the member proposed post-processing corrections for the 21L case crash in v33.11 and reverting to a previous version of an OPPD turbine-governor model due to initialization warnings. Sunny mentioned that the 21L, 21S, and 29S are part of the 2019 SPP TPL analysis. These cases will require updates and MDWG approval after the October SPP Board of Directors decisions. Staff recommended they would like to seek approval of the models as final with post processing corrections to incorporate the changes mentioned on the call. Eddie Watson and Sunny Raheem thanked the group for their participation during the 2018 MDWG Dynamic Model Build.

Nate opened the floor to entertain a motion.

Motion: Marcus Moor motioned to approve the proposed final 2018 MDWG Dynamics models with post processing updates provided by August 31st as explained by SPP Staff. Scott Schichtl seconded the motion. The motion passed unanimously.

Proposed Final Models Link (Uploaded on 9/24/2018): [GlobalScape: Modeling \(CEIL, RSD\)](#) → MDWG Dynamic → Final Models → 2018 → Proposed Final

Antitrust: SPP strictly prohibits use of participation in SPP activities as a forum for engaging in practices or communications that violate the antitrust laws. Please avoid discussion of topics or behavior that would result in anti-competitive behavior, including but not limited to, agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition.

Agenda Item 3 – Administrative Items:

- Agenda Item 3a – Summary of Action Items:

- None

- Agenda Item 3b – Future Meetings:

Nate Morris provided a recap of the upcoming future meetings.

- Agenda Item 3c – Adjourn Meeting:

With no further discussion, Nate Morris solicited a motion to adjourn the meeting and table the remaining items.

Motion: Jerad Ethridge motioned to adjourn the meeting. Marcus Moor seconded it. The motion passed unanimously.

The meeting adjourned at 9:39AM (CDT).

Respectfully submitted,
Sunny Raheem
SPP Staff Secretary



Southwest Power Pool, Inc.
MODEL DEVELOPMENT WORKING GROUP

October 1, 2018

Net Conference

• A G E N D A •

9:00 a.m. – 10:30 a.m. (CDT)

1. Administrative Items Nate Morris (10 mins)
 - a. Call to Order
 - b. Antitrust Statement
 - c. Attendance
 - d. Proxies
 - e. Agenda Review (**Approval Item**)
 - i. Acknowledgement of discuss meeting materials
2. 2018 MDWG Dynamic Models Discussion and Approval (**Approval Item***) All (75 mins)
3. Administrative Items Nate Morris (5 mins)
 - a. Summary of Action Items
 - b. Future Meetings
 - i. October 4th 9-12pm (Central)
 - c. Adjourn

Note: The approval items denoted with “*” shall be jointly developed by PC, TP, and MDWG.

Antitrust: SPP strictly prohibits use of participation in SPP activities as a forum for engaging in practices or communications that violate the antitrust laws. Please avoid discussion of topics or behavior that would result in anti-competitive behavior, including but not limited to, agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition.