

MDWG MINUTES

December 13, 2019

SOUTHWEST POWER POOL MODEL DEVELOPMENT WORKING GROUP MEETING

December 13th, 2019 9:00 am – 11:00am (CST)
Conference Call

SUMMARY OF MOTIONS AND ACTION ITEMS

Action Items:

1. None

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Motions:

1. Andy Berg motioned to approve the agenda. The motion passed unanimously.
2. Andy Berg motioned to approve the 2019 series MDWG dynamic models for SPP 2020 TPL as posted. The motion passed with no opposition and one abstention.
3. Andy Berg motioned to adjourn the meeting. The motion passed unanimously.

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AGENDA ITEM 1 – ADMINISTRATIVE ITEMS

AGENDA ITEM 1A & 1B – CALL TO ORDER AND ANTITRUST STATEMENT

Prior to the meeting, SPP MDWG Chair Nate Morris assigned his Chair responsibilities to Jerad Ethridge. Sunny Raheem assigned his SPP MDWG Secretary responsibilities to Moses Rotich.

SPP MDWG Vice-Chair, Jerad Ethridge, called the meeting to order at 9:02 am with Quorum. SPP Staff Secretary Proxy, Moses Rotich, reading the anti-trust statement to the group.

AGENDA ITEM 1C & 1D – ATTENDANCE AND PROXIES

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The following members attended or represented by proxy:

| MDWG Member | Present | Proxy | Present | Company |
|-----------------|---------|-------------------|---------|--|
| Nate Morris | NO | Jerad Ethridge | YES | Empire District Electric Company, MDWG Chair |
| Jerad Ethridge | YES | | | Oklahoma Gas & Electric, MDWG Vice-Chair |
| Charles Aleman | YES | | | Golden Spread Electric Cooperative |
| Andrew Berg | YES | | | Missouri River Energy Services |
| Preston Blinsky | YES | | | Basin Electric Power Cooperative |
| John Boshears | YES | | | City Utilities of Springfield |
| Joe Fultz | NO | Kiet Nguyen | YES | Grand River Dam Authority |
| Jeremy Harris | YES | | | KCP&L and Westar, Evergy Companies |
| Jason Hofer | YES | | | Nebraska Public Power District |
| Steve Hohman | YES | | | Omaha Public Power District |
| Holli Krizek | NO | | | Western Area Power Administration |
| Jordan Lamb | NO | Preston Blinsky | YES | East River Electric Power Cooperative |
| Reené Miranda | NO | Aravind Chellappa | YES | Southwestern Public Service |
| Alex Mucha | YES | | | Oklahoma Municipal Power Authority |
| Scott Rainbolt | YES | | | American Electric Power |
| Scott Schichtl | YES | | | Arkansas Electric Cooperative Company |
| Jason Shook | YES | | | GDS Associates |
| Liam Stringham | YES | | | Sunflower Electric Power Corporation |
| Sunny Raheem | NO | Moses Rotich | Yes | Southwest Power Pool, Inc., MDWG Secretary |

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Additional Guests:

| Guests | Company |
|--|--------------------------------------|
| Josh Hesselbein | Arkansas Electric Cooperative |
| David Zhong | American Electric Power |
| Jerry Bradshaw | City Utilities of Springfield |
| Jeff Crites | The Empire District |
| Pallab Datta, Marcus Moor, Ryan Baysinger | Evergy Companies |
| Kiet Nguyen | Grand River Dam Authority |
| Alan Burbach, Elaine Sun | Lincoln Electric System |
| Armin Sehic | Municipal Energy Agency of Nebraska |
| Mark Mallard | Northwestern |
| Tom Mayhan | Omaha Public Power District |
| Jeff McDiarmid, Lottie Richardson, Michael Odom, Moses Rotich, Shahrokh Akhlaghi, Zach Sabey | Southwest Power Pool, Inc. |
| David Sargent, Scott Mijin | Southwest Power Administration |
| Aravind Chellappa, Frank Favela | Southwestern Public Service |
| Joe Williams | Western Farmers Electric Cooperative |

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AGENDA ITEM 1E – AGENDA REVIEW

Jerad Ethridge asked the group if they had chance to review the agenda and if the group has any modifications to the agenda.. The group did not voice any modifications.

Motion: Andy Berg motioned to approve the agenda. Alex Mucha seconded the motion. The group did not voice concern during the discussion of the motion. The motion passed unanimously.

Material: DEC13_MM_Attach1 - 1e. MDWG Meeting Agenda 20191213.docx

AGENDA ITEM 2 – 2019 SERIES MDWG DYNAMIC MODELS FOR SPP 2020 TPL
(APPROVAL ITEM*)

Shahrokh Akhlaghi presented the overview for the 2019 series MDWG dynamic models for SPP 2020 TPL. Shahrokh mentioned the SPP Board of Director NTC decisions and approvals are accounted for in the models. Additionally, 2020 ITP Section 10.3 model corrections are applied to the models. Shahrokh mentioned he observed some oscillation for a few wind farms after the updates. The group requested follow up with the wind farm owner. The group discussed the number of updates provided since posting of the proposed final TPL models.

Motion: Andy Berg motioned to approve the 2019 series MDWG dynamic models for SPP 2020 TPL as posted. Scott Rainbolt seconded the motion. The group discussed MOD-026/27 updates and their applicability to the models after Transmission Planners have validated the testing. The group discussed when the updated models would be posted. Staff mentioned the updated models will be posted the following Monday. The group discussed PSSE version 34 challenges and NERC acceptable model list during the discussion of the motion. The motion passed with no opposition and one abstention from Aravind Chellappa.

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AGENDA ITEM 3 – ADMINISTRATIVE ITEMS

AGENDA ITEM 3A – SUMMARY OF ACTION ITEMS

No current meeting action items

AGENDA ITEM 3B – FUTURE MEETINGS

Staff outlined the future MDWG, MDWG focus groups, and MDWG manual task force meetings

AGENDA ITEM 3C – ADJOURN

Jerad asked the group if they had any other topics for discussion before the group adjourned. Moses communicated reminders about the current model builds. The group did not voice any additional topics.

Motion: Andy Berg motioned to adjourn the meeting. Jeremy Harris seconded the motion. The group did not voice concern during the discussion of the motion. The motion passed unanimously.

The meeting adjourned at 9:36 am (CST).

Respectfully Submitted,

Moses Rotich, Sunny Raheem

Staff, Secretary

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Attachments

DEC13_MM_Attach1 - 1e. MDWG Meeting Agenda 20191213.docx



Southwest Power Pool, Inc.
MODEL DEVELOPMENT WORKING GROUP

December 13th, 2019

Conference Call

• A G E N D A •

9:00 a.m. – 11:00 a.m. (CST)

- 1. Administrative ItemsJerad Ethridge
 - a. Call to Order
 - b. Antitrust Statement
 - c. Attendance
 - d. Proxies
 - e. Agenda Review (**Approval Item**)
 - i. Acknowledgement of discuss meeting materials
- 2. 2019 series MDWG Dynamic Models for SPP 2020 TPL (**Approval Item***) Shahrokh Akhlaghi
- 3. Administrative Items Jerad Ethridge
 - a. Summary of Action Items
 - b. Future Meetings
 - i. MDWG
 - 1. Next Face-to-Face: January 22nd, 2020 AEP Offices Dallas TX (8:30AM – 4:00PM CST)
 - ii. Manual Task Force:
 - 1. Biweekly on Thursday 9:00am-11:00am (CST)
 - iii. Focus Groups Meetings:
 - 1. Power Flow: December 16th, 2019 (9:30AM – 11:30AM CST)
 - 2. Short Circuit: TBD – Pending Group Discussion
 - 3. Dynamics: TBD – Pending Meeting Survey Responses
 - 4. Model Dispatch: TBD – Pending Meeting Survey
 - 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.