

**SOUTHWEST POWER POOL  
MODEL DEVELOPMENT ADVISORY GROUP MEETING**

November 14, 2024, 9:00 am – 12:00 pm (CST)

Conference Call

## **SUMMARY OF MOTIONS AND ACTION ITEMS**

Action Items:

- **Action Item: Due to time constraints, RR452 discussion will continue at the December meeting**
- **Action Item: The QMAX/QMIN Docucheck topic will be addressed during the December meeting to gather more details on the requested changes**

Motions:

- **Motion: Reene Miranda motioned to approve the agenda as presented on the screen. Mike Swan seconded the motion. The motion passed unanimously.**
- **Jason Shook motioned to approve the October 17<sup>th</sup> meeting minutes as shown on the screen. Jesse Kreutzfeldt seconded the motion. The motion passed unanimously.**
- **Motion: Mike Swan motioned to approve the 2025 MDAG Dynamics Model Build Schedule as shown. Ryan Baysinger seconded the motion. The motion passed unanimously.**

**SOUTHWEST POWER POOL  
MODEL DEVELOPMENT ADVISORY GROUP MEETING**

November 14, 2024, 9:00 am – 12:00 pm (CST)

Conference Call

**MINUTES**

**AGENDA ITEM 1 – ADMINISTRATIVE ITEMS**

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

MDAG Chair, John Turner, called the meeting to order at 9:01 a.m. (CST) with Quorum. SPP Staff, Eric Sullivan, read the anti-trust statement to the group.

## AGENDA ITEM 1C & 1D – ATTENDANCE AND PROXIES

The following members attended or were represented by proxy:

MDAG Member	Present	Proxy	Present	Company
Alex Mucha	Y			Oklahoma Municipal Power Authority
Brianna Haug	Y			Western Area Power Administration, MDAG Vice-Chair
Dustin Betz	Y			Nebraska Public Power District
Jason Shook	Y			GDS Associates
Jerry Bradshaw	Y			City Utilities of Springfield
Jesse Kreutzfeldt	Y			Missouri River Energy Services
Joe Fultz	N			Grand River Dam Authority
John Turner	Y			Western Farmers Electric Power, MDAG Chair
John Vara	N	David Mendoza	Y	Golden Spread Electric
Liam Stringham	Y			Sunflower Electric Power Corporation
Mike Swan	Y			Omaha Public Power District
Nathan Davis	Y			Liberty Utilities
Preston Blinsky	Y			Basin Electric Power Cooperative
Reené Miranda	Y			Southwestern Public Service
Ryan Baysinger	Y			Evergy
Scott Rainbolt	Y			American Electric Power
Scott Schichtl	N	Josh Hesselbein	Y	Arkansas Electric Cooperative Corporation
Timothy Sell	N			ITC Holdings
Tyler Baxter	N	Neil Smith	Y	Corn Belt Power Cooperative
Zach Sabey	N	Eric Sullivan	Y	Southwest Power Pool, Inc., MDAG Secretary

Material: NOV14\_Attach2 - 1c. MDAG Conference Call Attendance.xlsx

AGENDA ITEM 1E – AGENDA REVIEW (**APPROVAL ITEM**)

John Turner, MDAG Chair, asked the group if they had a chance to review the agenda and if the group had any modifications to the agenda.

**Motion: Reene Miranda motioned to approve the agenda as presented on the screen. Mike Swan seconded the motion. The motion passed unanimously.**

Material: NOV14\_Attach1- 1e. MDAG Meeting Agenda.docx

AGENDA ITEM 1F – PREVIOUS OCTOBER 17<sup>TH</sup>, MEETING MINUTES (**APPROVAL ITEM**)

SPP Staff, Eric Sullivan, asked the group if they had any proposed changes for the previous meeting minutes on October 17<sup>th</sup>, 2024.

**Motion: Jason Shook motioned to approve the October 17<sup>th</sup> meeting minutes as shown on the screen. Jesse Kreutzfeldt seconded the motion. The motion passed unanimously.**

Material: NOV14\_Attach3- 1f. October 2024 Meeting Minutes.pdf

## AGENDA ITEM 2 – REVIEW OF PAST ACTION ITEMS

SPP staff, Eric Sullivan, walked the group through past action items:

- Action Item 213 (FYAE wind dispatch inclusion into the MDAG Model Development Procedure Manual): Manual language updates will be on the agenda at the MDAG January 21 Focus Group call.
- Action Item 214 (Unrealistic QMAX/QMIN) was added from the MDAG Focus Group action item list to get more information on the requirements. This item will be a topic added to the December MDAG Meeting agenda.

## AGENDA ITEM 3 – 2025 MDAG DYNAMICS SCHEDULE (APPROVAL ITEM)

SPP staff, Theo Brown, presented the proposed 2025 MDAG Dynamics Model Build Schedule.

**MOTION: Mike Swan motioned to approve the 2025 MDAG Dynamics Model Build Schedule as shown. Ryan Baysinger seconded the motion. The motion passed unanimously.**

Material: NOV14\_Attach4 - 3. 2025 Series MDAG & 2026 TPL Dynamics Model Build Schedule and Selection\_Draft\_1.1.xlsx

## AGENDA ITEM 4 – SPP ANNUAL PRIORITIZATION

SPP Staff, Mark Hodges, gave an overview of the SPP Annual Prioritization. A question was asked from the group regarding the definition of which initiatives would fall under the roadmap process. Mark indicated that initiatives that support a long-term view through the [ASPIRE strategic plan](#) or help support the organization's goals. If there are any additional questions regarding the process, SPP Staff, Ashley Sanders, encouraged the group to contact their team via [strategicservices@spp.org](mailto:strategicservices@spp.org).

## AGENDA ITEM 5 – SCRIPT C3 UPDATE

SPP Staff, Eddie Watson, gave the group the latest update on SCRIPT C3.1 - C3.5. Below are a few questions and comments from the group:

- *Will the MDAG models be eliminated with this initiative?* ITP models (common model) will continue to be developed. MDAG will be used for the MMWG input models.
- *With the addition of the MEM Load and Gen data to EDST, will this replace the process of adding data to MOD?* The MEM Gen and Load is only Economic specific. Powerflow data submissions will continue as today and will have no changes.

- *Has a date been determined for the NMM Implementation (MOD Replacement) and how does it relate to SCRIPT?* Development is still underway by Siemens on this product. SPP Staff feel that further development needs to take place and NMM should have all existing MOD functionality before considering an implementation date.
- *Will the recently approved Renewable Dispatched policy (FYAE Wind Dispatch) be included for C3.2 Dispatch Assumptions?* Yes

## **AGENDA ITEM 6 – BREAK**

## **AGENDA ITEM 7 – RR452 – TO PROJECT EVALUATION PROCESS LANGUAGE CLARIFICATION**

MDAG Vice-Chair/WAPA Staff, Brianna Haug, presented information to the group regarding RR452. SPP Staff, Matt Jackson, was available again to answer any questions regarding the process. Many in the group had questions surrounding projects that are non-material and non-asset management. They did not see the need for a Sponsored Upgrade Study. Another question was asked regarding how projects with greater than 30% impedance change would be handled. Matt Jackson said he would follow up with more information. He also suggested an RMS ticket should be opened for any additional questions outside of this meeting. This will ensure that the question is properly addressed to the correct staff.

- Follow Up Item #1: Matt Jackson to follow up with WAPA Staff, Brianna Haug, regarding the handling of projects with >30% change regarding impedances.

## **AGENDA ITEM 8 – 2024 MDAG FOR 2025 TPL STABILITY UPDATE**

SPP Staff, Theo Brown, presented an update for the 2025 TPL Stability Models.

## **AGENDA ITEM 9 – 2025 SERIES MODEL BUILD / APPLICATION UPDATES**

### **AGENDA ITEM 9A – POWERFLOW**

SPP Staff, Danielle Lorenz and Hugh Benfer, presented an update for the 2026 ITP BR model set. During the discussion for the cutoff period to accept data submissions via MOD and EDST for the current model build year, the group agreed to allow submissions through the ITP BR Initial Final Phase/MDAG Pass 1. This clears up the contradiction on the current schedule regarding the last day to accept prior to moving to IDEV only submissions. During this topic, SPS Staff, Reese Miranda, had a question on how SPP Staff handle obtaining data for generator replacement units. Hugh will check and follow up. Also, Hugh informed the group that once NTCs are issued later this year in December, SPP Staff will reach out to the entities who received an NTC for data submissions into MOD/EDST.

- Follow Up Item: Hugh Benfer to reach out to SPS Staff, Reene Miranda, regarding the process for obtaining data on Generator replacement units.

Material: NOV14\_ATTACH5 - 9A. 2025 SERIES POWERFLOW UPDATE.PPTX

#### AGENDA ITEM 9B – SHORT CIRCUIT

SPP Staff, Jacob Lagrange, presented an update for the 2026 ITP Short Circuit model set.

#### AGENDA ITEM 9C – MOD-033

SPP Staff, Eric Sullivan, presented an update for the MOD-033 model process and the Unacceptable Differences posting and review.

#### AGENDA ITEM 10 – SUMMARY OF ACTION ITEMS

Eric Sullivan, SPP Staff, indicated the following new action item from this meeting.

- ***Action Item: Due to time constraints, RR452 discussion will continue at the December meeting***
- ***Action Item: The QMAX/QMIN Docucheck topic will be addressed during the December meeting to gather more details on the requested changes***

#### AGENDA ITEM 11 – DISCUSSION OF FUTURE MEETINGS

Brianna Haug, MDAG Vice Chair, updated the group on upcoming meetings.

- a. MDAG: December 12, 2024 (9:00 AM – 12:00 PM)
- b. MDAG Focus Group: No Focus Group Meeting for December
- c. AARITE: December 2, 2024 (9:00 AM – 11:00 AM)
- d. TATE TF: No Meeting for the Month of December
- e. TWG: December 10, 2024 (9:00 AM – 3:00 PM)
  - i. December 11, 2024 (9:00 AM – 3:00 PM)

MDAG encourages you to check out the spp.org calendar for additional information on technical topics discussed in other working groups. SPP also offers stakeholder trainings [found here](#)

#### AGENDA ITEM 13 – ADJOURN

John Turner, MDAG Chair, adjourned the meeting at 11:52 AM (CST)

Respectfully Submitted,

Zach Sabey  
Staff Secretary

Kristie Brown  
Secretary Assistant

**Attachments**

NOV14\_Attach1- 1e. MDAG Meeting Agenda.docx

NOV14\_Attach2 - 1c. MDAG Conference Call Attendance.xlsx

NOV14\_Attach3- 1f. October 2024 Meeting Minutes.pdf

NOV14\_Attach4 - 3. 2025 Series MDAG & 2026 TPL Dynamics Model Build Schedule and Selection\_Draft\_1.1.xlsx

NOV14\_Attach5 - 9a. 2025 series Powerflow Update.pptx





SOUTHWEST POWER POOL, INC.

MODEL DEVELOPMENT ADVISORY GROUP MEETING

November 14, 2024

Conference Call

9:00 a.m. – 12:00 p.m. (CST)

**AGENDA**

- 1. Administrative Items.....John Turner (10 mins)
  - a. Call to Order
  - b. Antitrust Statement
  - c. Attendance
  - d. Proxies
  - e. Agenda Review (**Approval Item**)
    - i. Acknowledgment for the posting of meeting materials
    - ii. *Agenda items may be taken out of order and could conclude earlier or later than estimated time.*
  - f. Previous October Meeting Minutes (**Approval Item**)
- 2. Review of Past Action Items ..... Eric Sullivan (5 mins)
- 3. 2025 MDAG Dynamics Schedule (**Approval Item**)\* .....Theo Brown (20 mins)
- 4. SPP Annual Prioritization ..... Mark Hodges (30 mins)
- 5. Script C3 Update.....Eddie Watson (20 mins)
- 6. Break ..... (5 mins)
- 7. RR452 - TO Project Evaluation Process language clarification..... Brianna Haug (45 mins)
- 8. 2024 MDAG for 2025 TPL Stability Update..... Theo Brown (10 mins)

*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.*

- 9. 2025 series Model Build/Application Updates
  - a. Powerflow ..... Danielle Lorenz/Eric Sullivan (15 mins)
  - b. Short Circuit ..... Jacob Lagrange (5 mins)
  - c. MOD-033 ..... Eric Sullivan (5 mins)
- 10. Summary of Action Items..... Eric Sullivan (5 mins)
  - a. Agenda Review – additional comments request
- 11. Discussion of Future Meetings..... John Turner (5 mins)

All meeting times are represented in the central time zone. Please register for all meetings via [spp.org](http://spp.org)

- a. MDAG: December 12, 2024 (9:00 AM – 12:00 PM)
- b. MDAG Focus Group: January 21, 2024 (1:00 PM – 3:00 PM)
- c. AARITF: December 2, 2024 (9:00 AM – 11:00 AM)
- d. TATE TF: November 19, 2024 (1:30 PM – 3:30 PM)
- e. TWG: December 10, 2024 (9:00 AM – 3:00 PM)
  - i. December 11, 2024 (9:00 AM – 3:00 PM)

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- 12. Adjourn..... All

\* The approval items denoted with “\*” shall be jointly developed by PC, TP, and MDAG





**SOUTHWEST POWER POOL**  
**MODEL DEVELOPMENT ADVISORY GROUP MEETING**

October 17, 2024, 9:00 am – 12:00 pm (CST)

Conference Call

## **SUMMARY OF MOTIONS AND ACTION ITEMS**

Action Items:

- ***Action Item: Bring the approved FYAE wind dispatch to the FG to make any required manual updates ahead of the 2026 MDAG / 2027 ITP model build.***

Motions:

- **Motion: John Vara motioned to approve the agenda as amended. Nathan Davis seconded the motion. The motion passed unanimously.**
- **Motion: Jesse Kreutzfeldt motioned to approve the September 19<sup>th</sup> meeting minutes as shown on the screen. Preston Blinsky seconded the motion. The motion passed unanimously.**
- **MOTION: Nathan Davis motioned to approve John Turner to remain as the chair of the Model Development Advisory Group for the term beginning January 2025. Jesse Kreutzfeldt seconded the motion. The motion passed unanimously.**
- **MOTION: Liam Stringham motioned to approve for MDAG to utilize the 5-Year Average Enhancement (FYAE) from the RADTF in future powerflow model builds. Jesse Kreutzfeldt seconded the motion. The motion passed unanimously.**

**SOUTHWEST POWER POOL  
MODEL DEVELOPMENT ADVISORY GROUP MEETING**

October 17, 2024, 9:00 am – 12:00 pm (CST)

Conference Call

**MINUTES**

**AGENDA ITEM 1 – ADMINISTRATIVE ITEMS**

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

MDAG Vice Chair, Brianna Haug, called the meeting to order at 9:00 a.m. (CST) with Quorum. SPP Staff Secretary, Zach Sabey, read the anti-trust statement to the group.

## AGENDA ITEM 1C & 1D – ATTENDANCE AND PROXIES

The following members attended or were represented by proxy:

MDAG Member	Present	Proxy	Present	Company
Alex Mucha				Oklahoma Municipal Power Authority
Brianna Haug	X			Western Area Power Administration, MDAG Vice-Chair
Dustin Betz	X			Nebraska Public Power District
Jason Shook				GDS Associates
Jerry Bradshaw	X			City Utilities of Springfield
Jesse Kreutzfeldt	X			Missouri River Energy Services
Joe Fultz	X			Grand River Dam Authority
John Turner	X			Western Farmers Electric Power, MDAG Chair
John Vara	X			Golden Spread Electric
Liam Stringham	X			Sunflower Electric Power Corporation
Mike Swan	X			Omaha Public Power District
Nathan Davis	X			Liberty Utilities
Preston Blinsky	X			Basin Electric Power Cooperative
Reené Miranda	X	Antonio Barrera	X	Southwestern Public Service
Ryan Baysinger	X			Evergy
Scott Rainbolt	X			American Electric Power
Scott Schichtl	X			Arkansas Electric Cooperative Corporation
Timothy Sell	X			ITC Holdings
Tyler Baxter	X			Corn Belt Power Cooperative
Zach Sabey	X			Southwest Power Pool, Inc., MDAG Secretary

Material: OCT17\_Attach2 - 1c. MDAG Conference Call Attendance.xlsx

AGENDA ITEM 1E – AGENDA REVIEW (**APPROVAL ITEM**)

Brianna Haug, MDAG Vice Chair, asked the group if they had a chance to review the agenda and if the group had any modifications to the agenda.

John Vara referenced to correct "Previous August Meeting Minutes" to read "Previous September Meeting Minutes"

**Motion: John Vara motioned to approve the agenda as amended. Nathan Davis seconded the motion. The motion passed unanimously.**

Material: OCT17\_Attach1- 1e. MDAG Meeting Agenda.docx

AGENDA ITEM 1F – PREVIOUS SEPTEMBER 19<sup>TH</sup>, MEETING MINUTES (**APPROVAL ITEM**)

Zach Sabey asked the group if they had any proposed changes for the previous meeting minutes on September 19<sup>th</sup>, 2024.

**Motion: Jesse Kreutzfeldt motioned to approve the September 19<sup>th</sup> meeting minutes as shown on the screen. Preston Blinsky seconded the motion. The motion passed unanimously.**

Material: OCT17\_Attach3- 1f. September 2024 Meeting Minutes.pdf



## AGENDA ITEM 2 – REVIEW OF PAST ACTION ITEMS

SPP staff, Zach Sabey, walked the group through past action items. The group agreed that Action Item 212 (MOD-033 Ratings in the EMS case) could be moved to Completed.

## AGENDA ITEM 3 – MDAG CHAIR (APPROVAL ITEM)

SPP staff, Zach Sabey, informed MDAG of the MDAG Chair Nomination for John Turner.

**MOTION: Nathan Davis motioned to approve John Turner to remain as the chair of the Model Development Advisory Group for the term beginning January 2025. Jesse Kreutzfeldt seconded the motion. The motion passed unanimously.**

Material: OCT17\_Attach4 - 3. MDAG Chair.pptx

## AGENDA ITEM 4 – RENEWABLE DISPATCH PROCESS (APPROVAL ITEM)

SPP staff, Jamie Spickes, gave an overview of the new renewable dispatch process and the background behind the new numbers.

Antonio Barrera asked if the automation from this would be provided to members. Jamie mentioned that the automation would be utilized by SPP staff, but the process is more transparent and would be available for members to use.

Dustin Betz asked if the high wind or very low wind situations had been addressed. Ryan Baysinger responded that the initial look was to get a better approach set up and then these could be addressed in future efforts.

**MOTION: Liam Stringham motioned to approve for MDAG to utilize the 5-Year Average Enhancement (FYAE) from the RADTF in future powerflow model builds. Jesse Kreutzfeldt seconded the motion. The motion passed unanimously.**

Material: OCT17\_Attach5 - 4a. Renewable Dispatch Process.pptx

## AGENDA ITEM 5 – NERC UPDATES

SPP Staff, Shannon Mickens, discussed updates at the NERC level about DER and IBR activities currently on-going and where to find different reports on these topics.

## **AGENDA ITEM 6 – Break**

## **AGENDA ITEM 7 – SCRIPT C3 Update**

SPP Staff, Eddie Watson, walked the MDAG through the current status of SCRIPT C3.1 - C3.5.

## **AGENDA ITEM 8 – 2024 MDAG FOR 2025 TPL STABILITY UPDATE**

SPP Staff, Zach Sabey, presented an update for the 2025 TPL Stability Models.

## **AGENDA ITEM 9 – FOCUS GROUP UPDATES**

SPP Staff, Kristie Brown, presented the latest update for the MDAG Focus Group with a high-level preview of the next Focus Group meeting.

## **AGENDA ITEM 10 – 2025 SERIES MODEL BUILD / APPLICATION UPDATES**

### **AGENDA ITEM 10A – POWERFLOW**

SPP Staff, Eric Sullivan, presented an update for the 2026 ITP BR model set. Pass 3 posting will be on November 1<sup>st</sup>.

### **AGENDA ITEM 10B – SHORT CIRCUIT**

SPP Staff, Eric Sullivan, presented an update for the 2026 ITP Short Circuit model set.

### **AGENDA ITEM 10C – MOD-033**

SPP Staff, Eric Sullivan, presented an update for the MOD-033 model process and the Unacceptable Differences posting and review.

Reene Miranda asked if staff has created a guidance document that contains the information from the MOD-033 study. Eric responded that there is not currently a guidance document for MOD-033.

## AGENDA ITEM 11 – SUMMARY OF ACTION ITEMS

Zach Sabey, Staff Secretary, indicated the following new action item from this meeting.

- ***Action Item: Bring the approved FYAE wind dispatch to the FG to make any required manual updates ahead of the 2026 MDAG / 2027 ITP model build.***

## AGENDA ITEM 12 – DISCUSSION OF FUTURE MEETINGS

Brianna Haug, MDAG Vice Chair, updated the group on upcoming meetings.

- a. MDAG: November 14, 2024 (9:00 AM – 12:00 PM)
- b. MDAG Focus Group: October 22, 2024 (1:00 PM – 3:00 PM)
- c. AARITE: October 21, 2024 (9:00 AM – 11:00 AM)
  - i. November 4, 2024 (9:00 AM – 11:00 AM)
- d. TATE TE: November 19, 2024 (1:30 PM – 3:30 PM)
- e. TWG: October 29, 2024 (9:00 AM – 3:00 PM)
  - i. October 30, 2024 (9:00 AM – 3:00 PM)

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## AGENDA ITEM 13 – ADJOURN

Brianna Haugh, MDAG Vice Chair, adjourned the meeting at 10:50 AM (CST)

Respectfully Submitted,

Zach Sabey  
Staff Secretary

Kristie Brown  
Secretary Assistant

**Attachments**

OCT17\_Attach1- 1e. MDAG Meeting Agenda.docx

OCT17\_Attach2 - 1c. MDAG Conference Call Attendance.xlsx

OCT17\_Attach3- 1f. September 2024 Meeting Minutes.pdf

OCT17\_Attach4 - 3. MDAG Chair.pptx

OCT17\_Attach5 - 4a. Renewable Dispatch Process.pptx

Task Name	Duration	Start	Finish
2025 Series MDAG Model Build Schedule (Dynamics) - PSS/E v35.6.# <b>Note: The SPP MDAG Model Development Procedure Manual v8.1 will be utilized for this model build.</b>	248 days	Tue 1/7/2025	Thu 12/18/2025
Initial Data Update	31 days	Tue 1/7/2025	Tue 2/18/2025
Initial Data Update - Build and Post DYRE Files, Wind Farm Data, Docureport, Most Severe TPL Fault Submission Template, and Unacceptable User Models	4 days	Tue 1/7/2025	Fri 1/10/2025
SPP Holiday -Dr. Martin Luther King Birthday Jr.	1 days	Mon 1/20/2025	Mon 1/20/2025
Initial Data Update -Members Submit Data Updates	30 days	Mon 1/13/2025	Fri 2/21/2025
Member/Stakeholder Holiday -President's Birthday	1 days	Mon 2/17/2025	Mon 2/17/2025
Initial Data Update - Member Data Due	1 days	Fri 2/21/2025	Fri 2/21/2025
Transmission Planner Most Severe TPL Fault Testing Submission Data Due - VOLUNTARY SUBMISSION	1 days	Fri 2/21/2025	Fri 2/21/2025
Dynamic Model Adjustments	20 days	Mon 2/24/2025	Fri 3/21/2025
Dynamics Adjustment (Dyre file, CMLD Load and User Defined Model Update)	20 days	Mon 2/24/2025	Fri 3/21/2025
Latest MMWG and MDAG Series Models	1 days	Fri 3/21/2025	Fri 3/21/2025
MMWG Dynamic Models	1 days	Fri 3/21/2025	Fri 3/21/2025
Receive 2025 MDAG Powerflow Pass 2 Models	1 days	Fri 3/21/2025	Fri 3/21/2025
Powerflow Model Adjustments	15 days	Mon 3/24/2025	Fri 4/11/2025
Powerflow Adjustments, Updates, Wind Farm Topology, X-Source (with Pass 2 models)	10 days	Mon 3/24/2025	Fri 4/4/2025
Receive 2025 MDAG Powerflow Final Models	1 days	Fri 4/4/2025	Fri 4/4/2025
Powerflow Adjustments, Updates, Wind Farm Topology, X-Source (with Final models)	5 days	Mon 4/7/2025	Fri 4/11/2025
Dynamic Case Initialization	35 days	Mon 4/14/2025	Fri 5/30/2025
DC Tie Model Updates - Deadline only for members who have ownership in a DC tie	1 days	Mon 4/14/2025	Mon 4/14/2025
Case & Dyre File Corrections based on Initialization Messages	35 days	Mon 4/14/2025	Fri 5/30/2025
Build Initial Models	40 days	Mon 6/2/2025	Fri 7/25/2025
No-fault Testing	10 days	Mon 6/2/2025	Fri 6/13/2025
Disturbance Testing	11 days	Fri 6/13/2025	Fri 6/27/2025
Command Line Testing	6 days	Fri 6/27/2025	Fri 7/4/2025
SPP Holiday - Fourth of July	1 days	Fri 7/4/2025	Fri 7/4/2025
Transmission Planner Submitted Most Severe TPL Fault Testing	11 days	Fri 7/4/2025	Fri 7/18/2025
Offline Wind Initialization	6 days	Fri 7/18/2025	Fri 7/25/2025
Dynamic Case Review and Finalization	12 days	Fri 7/25/2025	Mon 8/11/2025
Post Initial Models	2 days	Fri 7/25/2025	Mon 7/28/2025
Member Review of Initial Models	11 days	Mon 7/28/2025	Mon 8/11/2025
Member Final Data Submission Due	1 days	Mon 8/11/2025	Mon 8/11/2025
Data Update - Build Updated Models	28 days	Tue 8/12/2025	Thu 9/18/2025
Build Final Models	17 days	Tue 8/12/2025	Wed 9/3/2025
SPP Holiday - Labor Day	1 days	Mon 9/1/2025	Mon 9/1/2025
Post Proposed Final MDAG Models	1 days	Wed 9/3/2025	Wed 9/3/2025
Member Review of Proposed Final MDAG Dynamic Models	10 days	Thu 9/4/2025	Wed 9/17/2025
MDAG Finalization - Conference Call Vote	1 days	Thu 9/18/2025	Thu 9/18/2025
TPL Data Update - Build TPL Models	80 days	Fri 8/29/2025	Thu 12/18/2025
TPL Sensitivity Dispatch	21 days	Fri 8/29/2025	Fri 9/26/2025
TPL Data Update - Build Final Models including Board Decisions (NTC addition/withdrawals)	44 days	Fri 9/26/2025	Wed 11/26/2025
Post Final TPL MDAG Models	1 days	Wed 11/26/2025	Wed 11/26/2025
SPP Holiday - Thanksgiving Day	2 days	Thu 11/27/2025	Fri 11/28/2025
Member Review of Final TPL MDAG Dynamic Models	12 days	Mon 12/1/2025	Tue 12/16/2025
TPL MDAG Finalization - Conference Call Vote	1 days	Thu 12/18/2025	Thu 12/18/2025

Model Build Schedule Color Identifier
Green: Data Submission Period
Red: Data Submitters Updates Due
Purple: MDAG Approval Vote

\* Modeling data shall be submitted per this schedule. For data submittals due on a Friday, data submission is allowed through the weekend until Monday at 8:00 AM. If that Monday falls on a SPP Holiday, data submissions are due on Tuesday by 8:00 AM. SPP may extend the data submittal periods in the schedule, if the SPP Models On Demand and Engineering Data Submittal Tool (EDST) web portals suffer technical difficulties during the data submittal periods identified in the Schedule.



# 2025/2026 POWERFLOW

SPP STAFF

# OVERVIEW

- Status Update
- Upcoming MDAG Deadlines & Reminders
- Schedule Update
- Questions




# 2024-25 SERIES POWERFLOW MODEL BUILD STATUS UPDATE – ITP PASS 3

- **Completed Tasks**
  - 2026 ITP BR Pass 3 Posting for Data Submitter Review
- **In-Progress Tasks**
  - Modeling QA
  - Contacting Data Submitters for specific P4 updates
- **Future Tasks(HIGH-LEVEL)**
  - Lock down MOD/EDST
  - Build Pass 4 models – merge with latest MMWG cases
  - Adding AG1 service to EDST



# DOCUCHECK

- The data checks in this workbook are meant to aid Data Submitters in reviewing model data for accuracy, improving model/case fidelity and making sure that NERC model quality metrics are met.

Tab Color	Description
	Possible errors in the models that MUST be reviewed for accuracy
	Possible errors in the models that need be reviewed for accuracy
	Informational data to aid in Data Submitter review

# UPCOMING DEADLINES & REMINDERS

- **Reminders:**

- Please review raw read and island summary
- Please review tie line information from the incorporation of the MMWG model data
- Key upcoming dates:
  - 11/25/24 - SPP Staff Lock Down MOD and EDST
  - 12/02/24 - SPP Build Pass 3 PF models
  - 12/20/24– SPP Staff Post Pass 4 PF models and DocuCode

# SCHEDULE UPDATE

- Discrepancy on how data should be submitted for BR Initial Final/MDAG P1 found

2026 ITP BR INITIAL FINAL PASS/2025 MDAG Pass 1: (Final Generation Dispatch, DocuCheck Issues and Topology Updates, Voltage Schedule Review)	26 days	Mon 12/23/24	Fri 1/31/25
Data Submitters Review Pass 4 Models; Submit PF and SC corrections through Idevs only for use in the Initial Final Pass Models	12 days	Mon 12/23/24	Fri 1/10/25
SPP Holidays - Christmas Eve and Christmas Day	2 days	Tue 12/24/24	Wed 12/25/24
SPP Holidays - New Years	1 day	Wed 1/1/25	Wed 1/1/25
Data Submitters submit FINAL Generation Dispatch, DocuCheck Corrections and Topology data updates	0 days	Fri 1/10/25	Fri 1/10/25
Data Submitter Updates (Load, Generation, Transaction, Topology & Sequence Data) Due, review Pass 4 models/data submission through MOD, Final update load and generation (Pmax, Pmin, retirement) reports/reconcile transaction discrepancies. Last chance for MOD/EDST data entry inclusion for current modeling series.	0 days	Fri 1/10/2025	Fri 1/10/2025
SPP Staff Build/Solve Initial Final Pass ITP BR Powerflow Models and apply MOD System Alteration Projects, non-firm transactions, dispatch and solve Initial MDAG Models	9 days	Mon 1/13/25	Fri 1/24/25
MLK day	1 Day	Mon 1/20/25	Mon 1/20/25
SPP Staff Review/Build Initial Final Pass ITP BR Short Circuit Models	5 days	Mon 1/27/25	Fri 1/31/25
SPP Staff Post ITP BR Initial Final PF, MDAG Pass 1 PF and ITP BR Short Circuit models and DocuCode for Data Submitter Review	0 days	Fri 1/31/25	Fri 1/31/25

- SPP would propose that members continue submitting data for BR Initial Final and MDAG P1 in MOD and EDST
- The .idv only pass would be MDAG P2



QUESTIONS?