

SOUTHWEST POWER POOL
Future Grid Strategy Advisory Group Meeting

June 24, 2024
Webex / Teleconference Meeting

SUMMARY OF ACTION ITEMS

ACTION ITEMS (changes / additions)

Action Item 37 (NEW): Sam will incorporate FGSAG group input captured during the 6.24.2024 meeting and circulate an updated draft of the Addendum to the FGSAG voting members with the intent of presenting the addendum outline to the SPC in July. A one-hour call will follow with the FGSAG in order to process SPC feedback before sharing with the Board in August. That meeting time and date will be scheduled at a later date.

Action Item 38 (NEW): Mark Hodges to share the AI Symposium date with the group following a review of date preference feedback as part of the meeting feedback survey from the 6.24.2024 meeting.

Action Items closed: 34 / 35

**SOUTHWEST POWER POOL
FUTURE GRID STRATEGY ADVISORY GROUP MEETING**

June 24, 2024
Webex / Teleconference Meeting

MINUTES

AGENDA ITEM 1 – CALL TO ORDER

Mark Ahlstrom (NextEra), chair, called the meeting to order at 9:01 a.m. CT.

AGENDA ITEM 2 – STATEMENTS AND ATTENDANCE

Mark Hodges (SPP) reminded attendees that this meeting was public and read the anti-trust notice. The following members were in attendance:

Mark Ahlstrom, NextEra, Chair
Denise Buffington, Evergy
Brad Cochran, Oklahoma Gas and Electric
Mike Della Penna, Google
Lee Elliott, Invenergy
Steve Gaw, Advanced Power Alliance
Evan Kinney, Nebraska Public Power District
Corey Linville, Sunflower
Natalie McIntire, Sustainable FERC Project
Gayle Nansel, Western Area Power Administration
Marie Thompson, Southern Power

A quorum was present for the meeting, and the following absences were noted:

- Kamran Ali (AEP) and Glen Halley (City Utilities) were absent from the meeting and not represented by proxy.
- Brian Drumm (ITC Great Plains) was absent from the meeting and represented by Nick Abraham (ITC Great Plains) as proxy.

A comprehensive attendance list is provided in Attachment 1.

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AGENDA ITEM 3 – CONSENT AGENDA

Mark Ahlstrom presented the consent agenda to the group. The items included the meeting minutes from May 20, 2024, and the meeting agenda for June 24, 2024. Steve Gaw (Advanced Power Alliance) motioned to approve the consent agenda as presented. Marie Thompson (Southern Power) seconded the motion. The motion passed with no opposition or abstentions.

AGENDA ITEM 4 – ACTION ITEM REVIEW

Mark Hodges reviewed the action items from the previous meeting giving specific attention to action items 23, 31, 34, 35, and 36 (all open and in process).

The complete action item list as reviewed is located with the pre-meeting materials [here](#).

AGENDA ITEM 5 – 2024 FGSAG RECOMMENDATION NEXT EDITION: ADDENDUM UPDATE

Sam Ellis (SPP) reviewed the draft of the FGSAG Report Addendum with the group. Topics to be covered were outlined at the May FGSAG meeting. Recommendations have been added and Sam encouraged the group to suggest others and provide edits.

Steve Gaw expressed a perceived disconnect between the recommendations being made from FGSAG and those recommendations being taken up by the working groups. He suggested a discussion about how these policies should interact with new policy formation. Natalie McIntire (Sustainable FERC Project) shared her support generally for the recommendations and stated a desire to see a direct link to identify loads of the future in SPP's planning processes. Mark Ahlstrom agreed with her suggestion of using stronger language in the recommendations. Afshin Salehian (SPP) and Clifford Franklin (Sunflower Electric Power Corporation) shared that these processes are already in place through an SPC-endorsed Load of the Future Task Force and established ITP processes. Sam responded that we may still not be including robust enough measures.

Kelsey Allen (SPP) mentioned that he is working with the Transmission Working Group and Economic Studies Working Group to better incorporate Grid Enhancing Technologies (GETs) into the planning processes. Steve recommended that we clarify within all of SPP what components are addressed and to what extent as part of GETs.

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AGENDA ITEM 6 – UPDATE ON AI SYMPOSIUM

Mark Ahlstrom shared that we are planning to host an AI symposium with Google so that we can hear about AI uses and potential for energy sector uses. Sam encouraged the group to participate and speak at the symposium (and other meetings) as they or those in their organizations have expertise. Mark Hodges added proposed dates to the post meeting survey and will be determining and sharing the date of the symposium following group input regarding preferred dates.

AGENDA ITEM 7 – FERNS & TECHNICAL REVIEW COMMITTEE UPDATE

Afshin provided an update on the work associated with the FERNS study and the Technical Review Committee. Kate Peters (Brattle), Hannes Pfeifenberger (Brattle), and Sam Willett (Brattle) provided a progress update on the FERNS Capacity Expansion Modeling, Land Use Analysis, and Generation Potential. The Land Use Analysis presentation represents completion of a stated FERNS milestone.

AGENDA ITEM 8 – MEETING FEEDBACK

Mark Hodges provided the QR code and link for attendees to assess the effectiveness of today's meeting and to share preferences for attendance and potential dates for the AI Symposium.

AGENDA ITEM 9 – SUMMARY OF ACTION ITEMS

Mark Hodges reviewed new action items captured as part of the meeting, including an action to update and share the Report Addendum back to FGSAG Members in preparation for the mid-July SPC meeting. Sam will share feedback from the SPC back to FGSAG Members in preparation for the August Board Meeting. Mark Hodges will also share the date for the AI Symposium after survey feedback from the group has been received.

AGENDA ITEM 10 – DISCUSSION OF FUTURE MEETINGS

Mark Ahlstrom noted that the next meeting would be held in person on October 1, 2024, at the Every Offices in Kansas City, MO.

AGENDA ITEM 11 – ADJOURNMENT

Mark Ahlstrom adjourned the meeting at 10:36 a.m. CST.

**FUTURE GRID STRATEGY ADVISORY GROUP MINUTES
JUNE 24, 2024**

Respectfully Submitted,

Mark Hodges on behalf of
Sam Ellis, Secretary

Attachments: Attendance Record

Attachment 1—Meeting Attendance Record

First Name	Last Name	Company
Nick	Abraham	ITC Great Plains, proxy for Brian Drumm
Mark	Ahlstrom	NextEra Energy Resources
Matt	Alvaredo	Iowa Utilities Board
Malcolm	Ainspan	NRG Energy
Kelsey	Allen	Southwest Power Pool
Lisa	Barrett	Advanced Energy United
Julie	Bissen	Omaha Public Power District
Denise	Buffington	Evergy Companies
Brad	Cochran	Oklahoma Gas and Electric
Calvin	Daniels	WFEC
Mike	Della Penna	Google
Daria	Diaz	Stone Pigman
Lee	Elliot	Invenergy
Sam	Ellis	Southwest Power Pool
Jim	Flucke	Evergy Companies
Clifford	Franklin	Sunflower Electric Power Corporation
Don	Frekring	Southwest Power Pool
Steve	Gaw	Advanced Power Alliance
Serhat	Guney	Market Monitoring Unit (Southwest Power Pool)
Mark	Hodges	Southwest Power Pool
William	Holden	Southwest Power Pool
Evan	Kinney	Nebraska Public Power District
Jim	Krajecki	Customized Energy Solutions
Corey	Linville	Sunflower Electric Power Corp
Bernard	Liu	Xcel Energy
Natalie	McIntire	Sustainable FERC Project, Natural Resources Defense Council
Kylah	McNabb	Vesta Strategic Solutions, LLC
Gayle	Nansel	WAPA
Hannes	Pfeifenberger	The Brattle Group
Afshin	Salehian	Southwest Power Pool
Kate	Peters	The Brattle Group
Brian	Rounds	AESL Consulting
Walt	Shumate	Shumate & Associates
Heather	Starnes	Healy Law Offices / MJMEUC
Conner	Sweet	City Utilities
Marie	Thompson	Southern Power
Nicole	Wagner	Southwest Power Pool
Michael	Wegner	ITC Holdings

Sam	Willet	The Brattle Group
April	Wingfield	Southwest Power Pool
Chris	Wright	Spearmint Energy
Cuiping	Xu	Market Monitoring Unit (Southwest Power Pool)

SOUTHWEST POWER POOL, INC.
Future Grid Strategy Advisory Group

Action Items Status Report

New / Changed Items Highlighted

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
1. Michael Daly will revise the timeframe for the topic selection survey and send to all meeting attendees.	2/23/2022	Closed	Revised and sent on 2/23.
2. Michael Daly will send the meeting effectiveness survey to FGSA members.	2/23/2022	Closed	Sent on 2/23.
3. Michael Daly will schedule the proposed meetings and notify FGSA members when registration is available.	2/23/2022	Closed	Meetings posted on 3/4 and notice sent same day.
4. Michael Daly will send focus area information to members and ask for preferences.	3/16/2022	Closed	Sent on 3/17.
5. Michael Daly will adjust the meeting time of the April 18 meeting to now be from 1:00 p.m. to 4:00 p.m. CT.	3/16/2022	Closed	Completed on 3/21.
6. Casey Cathey will update the group on focus area trends that are beyond the 5-year horizon of the SPP Roadmap.	3/16/2022	Closed	Will be presented in agenda item 5.

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
7. FGSAG members will notify Sam Ellis which topics are needed for further education.	3/30/2022	Closed	
8. SPP staff will reach out to FGSAG members about availability for upcoming virtual meetings	3/30/2022	Closed	Outreach sent on 4/7/2022.
9. SPP staff will work with FGSAG members to plan additional education sessions.	4/18/2022	Closed	Sessions scheduled 6/22 and 7/7.
10. Mark Ahlstrom requested that SPP staff make available a summary of education sessions held by individual sub-teams.	6/22/2022	Closed	Part of presentations for 8/9 meeting.
11. SPP Staff will notify the Future Grid Strategy Advisory Group (FGSAG) when the next draft of the initial assessment is available and set a deadline for providing comments.	12/8/2022	Closed	Word version posted 1/26/23
12. Michael Daly will send the final draft of the report to communications to format for submission to the Strategic Planning Committee (SPC).	2/2/2023	Closed	Draft sent to communications on 2/7/2023
13. Sam Ellis and Harvey Scribner will present to the FGSAG in March about how the recommendations could align with the SPP Tech Expo/Planning Summit	2/2/2023	Closed	To be discussed in Agenda Item #9.

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
14. Michael Daly will schedule a meeting for Monday, March 13, 2023, at 1:00 p.m. CT and notify members0	2/2/2023	Closed	Completed on 2/2/2023
15. Michael Daly and Sam Ellis will merge EA5 and EA7 in the unified report.	3/13/2023	Closed	Completed on 3/30/2023
16. Michael Daly will resolve all edits and return the unified draft to SPP communications for final layout and design	3/13/2023	Closed	Completed on 3/17/2023
17. Michael Daly will send the link for meeting feedback with the posting of the meeting minutes.	3/13/2023	Closed	Sent via email on 3/15/2023
18. SPP staff will further refine the recommendation to the SPC that will accompany the final report as it is submitted to the SPC in April.	3/13/2023	Closed	Sent via email on 3/24/2023
19. Michael Daly will schedule and post notice of the June 19, 2023, meeting.	5/22/2023	Closed	Completed on 5/23/2023
20. Afshin Salehian will report back to the FGSAG once the next milestone in the FERNs study is achieved.	6/19/2023	Closed	To be addressed in agenda item 12 on 11/9/2023 (Update – Video of load shapes provided to members to satisfy milestone and inform approach for

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
			Brattle Group – 2/2024)
21. Summarize the on-going efforts in support of recommendation EA7 and determine responsibility for FGSAG.	8/21/2023	Closed	FGSAG could provide oversight in assuring the recommendation is being addressed via resiliency scenarios in the appropriate studies. Possibly receive quarterly updates.
22. List the stakeholder groups that are carrying out the on-going work in relation to recommendation GS3.	9/18/2023	Closed	Completed and reposted the slide
23. Provide an update on the Phasor Measurement Unit (PMU) project and efforts to expand its use across the footprint.	9/18/2023	Open	To be provided at the appropriate time
24. In regards to recommendation EA2, determine if the RTO will be the backstop authority if all other load cannot meet their obligations.	11/8/2023	Closed	Sent to Denise Buffington as requested. 2/24 update: Denise recommended moving to REAL team and tracking along

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
			with other FGSAG items.
25. Evaluate the need for developing a supplemental report or addendum to our first Grid of the Future report.	11/9/2023	Closed	Completed 3/25: Sam Ellis to lead development of an addendum (see action item 32)
26. Review aggregate results from prioritization work completed during the November 2023 meeting.	11/9/2023	Closed	Agenda items 5+6 for 12/11/2024
27. Create a new action item that directs Future Energy Resource Needs Study (FERNS) inputs and assumptions be discussed among the consultant and FGSAG members	12/11/2023	Closed	Afshin Salehian to ensure these briefings are added to the agenda (2/24: Closing with FERNS being a standing agenda topic each meeting)
28. Sam Ellis to explore a different timeframe for the 2024 in-person FGSAG meeting	12/11/2023	Closed	Scheduled for Oct. 1, 2023 at Evergy
29. Michael Daly to schedule all 2024 meetings and announce when registration is available	12/11/2023	Closed	Scheduled and sent for posting on 12/13/2023
30. Mark Hodges to deploy Medium / Low FGSAG recommendation list needing additional clarification on	2/26/2024	Closed	Complete. Follow-up

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
work product to group members via electronic survey. Results to be provided in March meeting.			detailed in item #33.
31. Strategic Services to provide reporting of FGSAG recommendations through downstream groups.	2/26/2024	Open	In process – Part of Roadmap redesign
32. Sam Ellis to lead the effort of working with the group to develop an addendum to the FGSAG recommendation document that incorporates a position and suggestions on Artificial Intelligence (AI) within the framework of use in Future Grid as well as continually increasing load.	3/25/2024	Closed	Framework for approach presented 5/20.
33. Mark Hodges to reopen Medium / Low work product clarification survey to FGSAG members and notify via email. Survey will remain open until COB 3.29.2024. Results will be combined with previous results to finalize work product definition, with the final document to be distributed to group members upon completion.	3/25/2024	Closed	Survey reopened and email notification / documents sent 3/25/2024 2:10pm.
34. Afshin Salehian to work with the previously “unofficially” formed FERNS Scenario Narratives Committee (consisting of members from the Supply Adequacy Work Group (SAWG), REAL, ESWG and FGSAG will evolve into an Ad-Hoc Tech Review	3/25/2024	Closed	Now established as an ongoing process.

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
Committee to review and provide technical support and feedback to Brattle Group for the remaining milestones of the project.			
35. As part of addendum framework development, Sam to follow-up with SPP staff regarding potential additions and clarification of addendum structure specific to questions regarding AI, IRA, and Cryptocurrency.	5/20/2024	Closed	Full draft reviewed in 6/24/2024 meeting with additional follow-up items (action item 37)
36. (GS3): Coordinate education of FGSAG members on: <ul style="list-style-type: none"> •ERS / ORS work as part of HITT program •Work related to ramp flexibility, fuel assurance, voltage, inertia and frequency response 	5/20/2024	Open	To be scheduled as part of a future FGSAG meeting
37. Recommendation Addendum actions: <ol style="list-style-type: none"> 1. Sam to update with 6/24/2024 meeting feedback and provide back to Members for comment and feedback prior to Strategic Planning Committee meetings in July (completed – updated and sent 6/26/2024) 2. Sam to incorporate final review feedback into document and submit for SPC review by document submittal deadline (7/3/2024) 	6/24/2024	Open	Item 1-Complete

ACTION ITEM	DATE ORIGINATED	STATUS	COMMENTS
3. Sam to report back to FGSAG Members with SPC feedback prior to Board review of document			
38. Mark Hodges to formalize AI Symposium date and communicate back to FGSAG Members based on FGSAG survey responses	6/24/2024	Open	