

SOUTHWEST POWER POOL
Future Grid Strategy Advisory Group Meeting

May 20, 2024
Webex / Teleconference Meeting

SUMMARY OF ACTION ITEMS

ACTION ITEMS (changes / additions)

Action Item 35: (NEW) 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.

Action Item 36: (NEW) (GS3 / GS4): Coordinate education of FGSAG members on:

- ERS / ORS work as part of HITT program
- Work related to ramp flexibility, fuel assurance, voltage, inertia and frequency response

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

May 20, 2024
Webex / Teleconference Meeting

MINUTES

AGENDA ITEM 1 – CALL TO ORDER

Mark Ahlstrom (NextEra), chair, called the meeting to order at 9:00 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
Brian Drumm, ITC Great Plains
Lee Elliott, Invenergy
Steve Gaw, Advanced Power Alliance
Glen Halley, City Utilities
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) was absent from the meeting and not represented by proxy.

A comprehensive attendance list is provided in Attachment 1.

FUTURE GRID STRATEGY ADVISORY GROUP MINUTES MAY 20, 2024

AGENDA ITEM 3 – CONSENT AGENDA

Mark Ahlstrom presented the consent agenda to the group. The items included the meeting minutes from March 25, 2024 and the meeting agenda for May 20, 2024. Lee Elliot (Invenergy) 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: 32 (open and in process), 33 (closed as completed) and 34 (open and ongoing).

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

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

Sam Ellis (SPP) led a discussion regarding a proposed framework for addressing new topics that should be covered in the addendum to the original report. Those items include:

1. A status summary of current recommendations
2. Future Energy Resource Needs Study (FERNS)
3. Load of the Future
4. Artificial Intelligence (AI) and the Future Grid
5. Grid Enhancing Technologies (GETs).

Lee Elliot affirmed this list of topics. Afshin Salehian (SPP) confirmed that the FERNS report would be ready in early 2025.

Natalie McIntire (Sustainable FERC Project) affirmed the list of topics and suggested that AI could be discussed under the same umbrella as new loads.

Mike Della Penna (Google) affirmed this suggestion, provided some thoughts on organization of the addendum, and suggested the addition of a cryptocurrency section. He also noted additional AI risks to be addressed could include bad actors, cyber risks, and rapid expansion and the dynamic nature of AI.

FUTURE GRID STRATEGY ADVISORY GROUP MINUTES MAY 20, 2024

The group requested Sam review some of these suggestions as an action item to provide additional depth to the proposed structure, which was generally well received. The summary of actions for follow-up is detailed as Action Item #35.

AGENDA ITEM 6 – MEDIUM / LOW WORK PRODUCT UPDATES

Mark Hodges provided an update that the effort to solicit feedback and review the work products for Medium and Low recommendations is complete. He indicated that the next step will be to formally add these items to the Roadmap or indicate which current roadmap items are directly addressing the Medium / Low recommendations. Mark indicated that there are two items that are educational in nature, and those will be added to the Action Items for the FGSAG rather than the SPP Roadmap (now listed as Action Item #36).

AGENDA ITEM 7 – LOAD OF THE FUTURE UPDATE

Brooke Keene (SPP) provided an update on the work associated with preparing for the Load of the Future, which will become a white paper including recommendations for handling future loads. Sections of the white paper will include:

1. Behind the Meter Generation
2. Demand Response
3. Market Storage Resources
4. Storage as Transmission-Only Assets
5. Dispatchable Load, Co-located Loads, and Generation
6. Evolved Energy Research Scope

AGENDA ITEM 8 – FERNS AND TECHNICAL REVIEW COMMITTEE UPDATE

Afshin Salehian provided an update on the technical review committee's work. Hannes Pfeifenberger (Brattle Group) and Kate Peters (Brattle Group) presented an in-depth review of the development of the model for grid capacity expansion planning through 2050 as part of the FERNS study.

FUTURE GRID STRATEGY ADVISORY GROUP MINUTES MAY 20, 2024

AGENDA ITEM 9 – MEETING FEEDBACK

Mark Hodges provided the QR code and link for attendees to assess the effectiveness of today's meeting.

AGENDA ITEM 10 – SUMMARY OF ACTION ITEMS

Mark Hodges reviewed new action items captured as part of the meeting, including:

Action Item 35: (NEW) 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.

Action Item 36: (NEW) Strategic Services to add the non-roadmap educational items to the action items as a precursor to scheduling those topics for group agenda inclusion. These are now formally documented as Action Item 36: (GS3): Coordinate education of FGSAG members on:

- ERS / ORS work as part of HITT program
- Work related to ramp flexibility, fuel assurance, voltage, inertia and frequency response

AGENDA ITEM 11 – DISCUSSION OF FUTURE MEETINGS

Mark Hodges noted that the next meeting would be held virtually on June 24, 2024, at 9:00 a.m. CT.

AGENDA ITEM 12 – ADJOURNMENT

Mark Ahlstrom adjourned the meeting at 10:57 a.m. CST.

Respectfully Submitted,

Mark Hodges on behalf of
Sam Ellis, Secretary

Attachments: Attendance Record

Attachment 1—Meeting Attendance Record

First Name	Last Name	Company
Mark	Ahlstrom	NextEra Energy Resources
Denise	Buffington	Evergy Companies
Robert	Clayton	Omaha Public Power District
Brad	Cochran	Oklahoma Gas and Electric
Mike	Della Penna	Google
Carrie	Dixon	NextEra Energy Resources, LLC
Brian	Drumm	ITC Great Plains
Lee	Elliot	Invenergy
Sam	Ellis	Southwest Power Pool
Steve	Gaw	Advanced Power Alliance
Glen	Halley	City Utilities
Betty	Hampton	(Proxy for Heather Starnes) Healy Law Offices, LLC
Mark	Hodges	Southwest Power Pool
Farris	Jibril	UtiliCo LLC
Amber	Joyce	Montana Dakota Utilities
Brooke	Keene	Southwest Power Pool
Evan	Kinney	Nebraska Public Power District
Jim	Krajecki	Customized Energy Solutions
Corey	Linville	Sunflower Electric Power Corp
Bernard	Liu	Xcel Energy
Jason	Mazigian	Basin Electric Power Cooperative
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
Jeremy	Severson	Basin Electric Power Cooperative
Kate	Peters	The Brattle Group
Marie	Thompson	Southern Power
April	Wingfield	Southwest Power Pool