

**SOUTHWEST POWER POOL  
OPERATING RELIABILITY WORKING GROUP MEETING**

Thursday April 1, 2021 8:30 AM – 12:30 PM (CPT)  
Net Conference

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

- Jeff Wells (Grand River Dam Authority) made a motion to approve the consent agenda which included the March 3-4, 2021 ORWG Meeting Minutes. Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.
- Bryn Wilson (Oklahoma Gas & Electric) made a motion to approve RR445. Laurie Greg (Lincoln Electric System) seconded the motion. The motion carried without opposition or abstention.
- Ron Gunderson (Nebraska Public Power District) made a motion to approve the SPP RC Restoration Plan. Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.
- Zachary Sharp (SPP) took an action item to work with MOPC to announce the three vacant ORWG member positions.
- Daniel Baker (SPP) took an action item to review BAL003 with the ORWG in an upcoming executive session.

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## MINUTES

### AGENDA ITEMS 1-4 – ADMINISTRATIVE ITEMS

SPP Chair Allen Klassen (Evergy, Inc.) called the meeting to order at 8:43 on 4/1/2021.

Zachary Sharp (SPP) took attendance and established a meeting quorum. Tyler Springer (American Electric Power) has Chris Shaffer's (American Electric Power) proxy. A record of member attendance will be provided as an attachment to these minutes.

Zachary Sharp (SPP) read the SPP Antitrust Statement.

Chairman Allen Klassen (Evergy, Inc.) reviewed the agenda.

### AGENDA ITEM 5 – CONSENT AGENDA

Jeff Wells (Grand River Dam Authority) made a motion to approve the consent agenda which included the March 3-4, 2021 ORWG Meeting Minutes. Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

### AGENDA ITEM 6 – LIASON REPORTS

#### *PRIMARY FREQUENCY RESPONSE TASK FORCE (PFRTF) ACTIVITIES UPDATE*

Allan George (Sunflower Electric Power Corporation) provided an update on the PFRTF activities. Allan stated that the PFRTF recently met on 3/31/2021 in a smaller session. Daniel Baker (SPP) offered to present on BAL003 at an upcoming Executive Session. SPP moved to variable frequency bias in 2020 and is continuing with variable frequency bias going forward.

#### *OPERATIONS CONGESTION MANAGEMENT TASK FORCE (OCMTF) ACTIVITIES UPDATE*

Doug Peterchuck (OPPD) provided an update on the OCMTF activities. RR414 was approved by MWG. The group is meeting next week to discuss next steps as RR414 moves to MOPC. Will Ragsdale (SPP) to present congestion metrics at today's meeting.

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### *ELECTRIC STORAGE RESOURCES STEERING COMMITTEE (ESRSC) ACTIVITIES UPDATE*

Allen Klassen (Evergy, Inc.) provided an update on ESRSC activities. The majority of topics left to review are concerning Storage as Transmission. SPP may incorporate language from MISO definition of a SATOA (Storage as Transmission Only Asset).

### *ORDER 2222 TASK FORCE (O2222TF) ACTIVITIES UPDATE*

Ron Gunderson (Nebraska Public Power District) provided an update on the O2222TF activities. The O2222TF met twice in March. Ron Discussed Order 2222 -A, which declines to extend the "opt-out" provision to demand response resources that participate in a heterogeneous DER aggregation. FERC has not acted on the extension request.

### **AGENDA ITEM 7 – RR445 SPP HOLIDAYS DEFINITION UPDATE AND CLEAN-UP**

Kristen Darden (SPP) reviewed RR445 with the ORWG. President's Day was replaced by Martin Luther King Jr. day in the "SPP Holidays" definition.

Bryn Wilson (Oklahoma Gas & Electric) made a motion to approve RR445. Laurie Greg (Lincoln Electric System) seconded the motion. The motion carried without opposition or abstention.

### **AGENDA ITEM 8 – SPP RC RESTORATION PLAN REVIEW**

Trey Rosel (SPP) reviewed the SPP RC Restoration Plan, including language changes from the System Restoration Task Force, as well as a few other minor changes.

Ron Gunderson (Nebraska Public Power District) made a motion to approve the SPP RC Restoration Plan. Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Trey Rosel posted the updated version of the SPP RC Restoration Plan to SPP's secure FTP site shortly after approval, and while the meeting was still ongoing.

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### **AGENDA ITEM 9 – UNLOCKING THE QUEUE WITH GRID-ENHANCING TECHNOLOGIES**

Jay Caspary (Grid Strategies) presented on the WATT Coalition Study. The study focused on the combined impact of advanced power flow control, dynamic line ratings, and topology optimization technologies. The study focused on Kansas and Oklahoma, looking at how much renewable energy in the queue could be implemented using Grid Enhancing Technologies (GETs). Study results showed that in the 2025 case study, additional integration of renewables went from 2,580 MW to 5,250 MW. The additional 2,670 MWs resulted in 8,776 GWh of energy. Annual production cost savings was calculated at \$175 million. The presentation contains a link to the full report.

### **AGENDA ITEM 10 – LOAD SHED TESTING REVIEW**

Margaret Quispe (SPP) gave an update on the load shed test performed on 3/31/2021. All TOPs took 9 to 10 minutes to initially acknowledge instruction. 4 TOPs took over 25 minutes to enter their load shed amounts. 1 of the 4 TOPs took over 30 minutes. SPP is working to put the Load Shed Job Aid in R-Comm. Allan George (Sunflower Electric Power Corporation) suggested running longer load shed tests to allow TOPs to practice load shed rotation. Ron Gunderson (Nebraska Public Power District) suggested adding multiple load shed requests in the same test. Terry Oxandale (SPP) suggested making the event IDs alphanumeric to avoid confusion. Margaret took note of these suggestions for consideration.

### **AGENDA ITEM 11 – R-COMM RESTORATION GRID UPDATE**

Margaret Quispe (SPP) gave an update on the upcoming changes to the R-Comm Blackstart Restoration Grid. The goal will be to get the changes in to Production environment after testing, and available in the training environment for use in restoration drills fall 2021.

### **AGENDA ITEM 12 – BA ANNUAL DATA REQUESTS**

Scott Aclin (SPP) reminded the group of upcoming data requests: Emergency Demand Reduction Data, Contact Information and Tie Line Data. David Drennan (SPP) will be coordinating the data request efforts. Bryn Wilson (Oklahoma Gas & Electric) suggested using distribution lists for each company so that SPP did not need keep up with individual emails. Ron Gunderson (Nebraska Public Power District) asked for more details around how the contact lists were being used, to help ensure proper separation between markets and reliability.

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### **AGENDA ITEM 13 – FLOWGATE CONTROL METRICS**

Will Ragsdale (SPP) gave a quarterly report on FG operational performance metrics and discussed volatility. Chad Hankins (SPP) discussed flowgate exceedances. The February 2021 Winter Weather Event was the main contributor to the high level of exceedances in February 2021.

### **AGENDA ITEM 14-15 – ACTION ITEM REVIEW**

Zachary Sharp (SPP) took an action item to work with MOPC to announce the three vacant ORWG member positions.

Daniel Baker (SPP) took an action item to review BAL003 with the ORWG in an upcoming executive session.

### **AGENDA ITEM 16 – GENERAL Q&A**

Seasonal Preparedness – Bryn Wilson (Oklahoma Gas & Electric) opened a discussion on seasonal preparedness. Scott Aclin (SPP) solicited for some late topics to add to the May 13, 2021 Summer Preparedness Workshop, and will come back to ORWG in the summer to report on the outcome on the workshop, and begin discussions for what needs to be addressed for the Winter 2021-2022 Preparedness Workshop.

Allen Klassen (Eversource, Inc.) discussed the Thunderhead RAS, and Inverenergy's request to bring the topic back to the ORWG. The status of the Holt substation has not changed, but Ben Hammer (Western Area Power Administration) mentioned that Inverenergy is looking to change the interconnection point from NPPD to WAPA, and that may be the reasoning behind bringing the topic back to ORWG.

Bryn Wilson (Oklahoma Gas & Electric) noted that step 4 in the SPP PC UFLS Plan had been removed in the latest version of the document. The group discussed the possibility of SPP separating from the Eastern Interconnect during an event, and if voltages seen in step 4 were survivable.

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**AGENDA ITEM 17 – MEETING SCHEDULE**

- a. 04/21/2021 WebEx (Wed) 0900-1200 (Order 2222 Joint Discussion)
- b. 05/6/2021 WebEx (Thurs) 0830-1200
- c. 05/13/2021 WebEx (Thurs) 1300-1500 (Summer Preparedness Workshop)
- d. 05/19/2021 WebEx (Wed) 0900-1200 (Order 2222 Joint Discussion)
- e. 6/3/2021 WebEx (Thurs) 0830-1200
- f. 06/16/2021 WebEx (Wed) 0900-1200 (Order 2222 Joint Discussion)
- g. 06/29/2021 WebEx (Tues) 0830-1200
- h. 08/5/2021 WebEx (Thurs) 0830-1200
- i. 09/2/2021 WebEx (Thurs) 0830-1200
- j. 10/7/2021 WebEx (Thurs) 0830-1200
- k. 11/4/2021 WebEx (Thurs) 0830-1200
- l. 12/2/2021 WebEx (Thurs) 0830-1200

**AGENDA ITEM 18 – ADJOURNMENT**

SPP Chair Allen Klassen (Eversource, Inc.) adjourned the ORWG at 11:55 AM on 4/1/2021.

Respectfully Submitted,

Zachary Sharp, ORWG Staff Secretary

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**SUMMARY OF ATTACHMENTS:**

ORWG 4/1/2021 Agenda (pg. 8-9)

ORWG Member Attendance (pg. 10)

**SOUTHWEST POWER POOL, INC.  
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## AGENDA

**Administrative Items**

1. Call to Order ..... Allen Klassen
2. Attendance.....Zachary Sharp
3. Antitrust Statement ..... Allen Klassen/Zachary Sharp
4. Agenda Review ..... Allen Klassen/Zachary Sharp

**Consent Agenda**

5. For Consent (Action) ..... Allen Klassen  
     March 3-4, 2021 ORWG Meeting Minutes .....Zachary Sharp

**Pulled from Consent**

**Liaison Reports**

6. Liaison Reports (Written Reports and Presentations) ..... Allen Klassen (20m)
  - a. PFRTF Activities Update..... Allan George/Daniel Baker
  - OCMTF Activities Update ..... Doug Peterchuck/Will Ragsdale
  - ESRSC Activities Update ..... Allen Klassen
  - Order 2222 TF Activities Update..... Ron Gunderson

**Approval Items and Staff Reports for Discussion**

7. RR445 SPP Holidays Definition Update and Clean-up (Approval) ..... Kristen Darden (10m)
8. SPP RC Restoration Plan Review (Approval) ..... Trey Rosel (15m)
9. Unlocking the Queue with Grid-Enhancing Technologies (Discussion) ..... Jay Caspary (30m)
10. Load Shed Testing Review (Discussion) .....Margaret Quispe (20m)
11. R-Comm Restoration Grid Update (Discussion) .....Margaret Quispe (10m)
12. BA Annual Data Requests (Discussion) .....Scott Aclin (10m)
13. Flowgate Control Metrics (Discussion) .....Will Ragsdale (30m)

**Other Items**



**Action Item Review**

- 14. Review of Open and Closure Pending Actions .....Zachary Sharp
- 15. New Action Items.....Zachary Sharp

**Q&A/Open Forum**

- 16. General Q&A/Open Forum..... All

**Future Meetings**

- 17. Meeting Schedule..... All
  - 04/21/2021 WebEx (Wed) 0900-1200 (Order 2222 Joint Discussion)
  - 05/6/2021 WebEx (Thurs) 0830-1200
  - 05/13/2021 WebEx (Thurs) 1300-1500 (Summer Preparedness Workshop)
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  - 09/2/2021 WebEx (Thurs) 0830-1200
  - 10/7/2021 WebEx (Thurs) 0830-1200
  - 11/4/2021 WebEx (Thurs) 0830-1200
  - 12/2/2021 WebEx (Thurs) 0830-1200

- Adjournment**..... Allen Klassen

ORWG Member Attendance:

Name	Company	Role	4/1/2021
Allen Klassen	Evergy, Inc	Chair	✓
Ron Gunderson	Nebraska Public Power District	Vice Chair	✓
Keith Carman	Tri-State G&T	Member	✓
Mark Eastwood	City Utilities of Springfield MO	Member	✓
Abu Elteriefi	ITC Great Plains, LLC	Member	✓
Allan George	Sunflower Electric Power Corp	Member	✓
Laurie Gregg	Lincoln Electric System	Member	✓
Kyle McMEnamin	Xcel Energy	Member	
Chance Myers	Western Farmers Electric Cooperative	Member	✓
Doug Peterchuck	Omaha Public Power District	Member	✓
Gary Plummer	Independence Power & Light	Member	✓
David Pham	Liberty Utilities	Member	
Chris Shaffer	American Electric Power	Member	*
Jim Useldinger	GridLiance High Plains	Member	✓
Jeff Wells	Grand River Dam Authority	Member	✓
Bryn Wilson	Oklahoma Gas & Electric	Member	✓
Zachary Sharp	Southwest Power Pool	Secretary	✓

\*Note that Chris Shaffer (American Electric Power) was represented by proxy Tyler Springer (American Electric Power)