

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

Wednesday October 6, 2021 8:30 AM – 2:30 PM (CPT)
Thursday October 7, 2021 8:30 AM – 2:30 PM (CPT)
Net Conference

SUMMARY OF MOTIONS AND ACTION ITEMS

- Ron Gunderson (NPPD) motioned that the ORWG approve the consent agenda which includes the *September 1-2, 2021 ORWG Meeting Minutes (amended)* and *RR450 Establish Operating Guides in ITP Manual*. Jeff Wells (GRDA) seconded the motion. The motion carried without opposition or abstention.
- Jeff Wells (GRDA) motioned that the ORWG accept the *OCMTF Summary of Work* document and disband the Operations Congestion Management Task Force, having fulfilled the scope of activities as set forth in their charter. Chris Shaffer (AEP) seconded the motion. The motion carried without opposition or abstention.
- Action Item: SPP Staff to continue to review frequency events, analyze the ability of the system to reliably respond to frequency deviations and report to the ORWG as needed. The ORWG may explore adding this action item to ORWG Scope document.
- Ron Gunderson (NPPD) motioned that the ORWG take over tracking of the action item for SPP Staff to continue to analyze frequency response and disband the Primary Frequency Response Task Force, having fulfilled the scope of activities as set forth in their charter. John Stephens (CUS) seconded the motion. The motion carried without opposition or abstention.
- Bryn Wilson (OGE) motioned that the ORWG approve the SPP BA Emergency Operating Plan version 8.0 as modified. Allan George (SECI) seconded the motion. The motion carried without opposition or abstention.

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MINUTES

AGENDA ITEMS 1-4 – ADMINISTRATIVE ITEMS

ORWG Chair Allen Klassen (Evergy, Inc.) called the meeting to order at 8:36 AM on 10/6/2021 and 8:34 on 10/7/2021.

Zachary Sharp (SPP) took attendance and established a meeting quorum. A record of member attendance will be provided as an attachment to these minutes. Proxies for ORWG Members are as follows: John Stephens (CUS) proxy for Mark Eastwood (CUS) Wednesday morning, Clinton Bruhn (LES) proxy for Laurie Gregg (LES), Kevin Ma (OGE) proxy for Bryn Wilson (OGE), John Mason (INDP) proxy for Gary Plummer (INDP). Additionally Keith Carman (Tri-State) gave his proxy vote to Ron Gunderson (NPPD).

Zachary Sharp (SPP) read the SPP Antitrust Statement.

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

AGENDA ITEM 5 – CONSENT AGENDA

Ron Gunderson (NPPD) motioned that the ORWG approve the consent agenda which includes the *September 1-2, 2021 ORWG Meeting Minutes* (amended) and *RR450 Establish Operating Guides in ITP Manual*. Jeff Wells (GRDA) seconded the motion. The motion carried without opposition or abstention.

AGENDA ITEM 6 – LIAISON REPORTS

ELECTRIC STORAGE RESOURCES STEERING COMMITTEE (ESRSC) ACTIVITIES UPDATE

Allen Klassen (Evergy) gave an update. The ESRSC met most recently on 9/27/2021 where they approved *RR462 ELCC for Standalone Battery Accreditation* which will be presented at MOPC this month. Chris Haley (SPP) plans to bring the HITT C3 topic of limitations on storage accreditation to the November ORWG meeting where he will discuss a proposed methodology to determine an accreditation threshold.

OPERATING RELIABILITY WORKING GROUP MINUTES 10/6-7/2021

ORDER 2222 TASK FORCE (O2222TF) ACTIVITIES UPDATE

Ron Gunderson (NPPD) gave an update. O2222TF met last on 10/5/2021 where they approved *RR468 Order 2222 Compliance* to go to specified working groups for review contingent on some minor wording edits to be made by SPP staff. This RR should come in front of ORWG in November.

IMPROVED RESOURCE AVAILABILITY TASK FORCE

Zachary Sharp (SPP) gave an update. The IRATF last met on 9/22/2021 and approved the Winter Weather Event tier 1 initiatives priority and timeline. SPP staff is currently creating scope documents for each tier 1 initiatives to be reviewed by IRATF at their next meeting on 10/7/2021.

AGENDA ITEM 7 – OCMTF CLOSEOUT

Doug Peterchuck (OPPD) discussed closeout of the OCMTF citing the work the group has done including approval of RR414, a process for quarterly metrics reporting to ORWG and a power swing update currently being worked by SPP staff. Jeff Wells (GRDA) noted to the importance following through with work on RR414 and retirement of RTLODF with the next EMS upgrade.

Jeff Wells (GRDA) motioned that the ORWG accept the *OCMTF Summary of Work* document and disband the Operations Congestion Management Task Force, having fulfilled the scope of activities as set forth in their charter. Chris Shaffer (AEP) seconded the motion. The motion carried without opposition or abstention.

AGENDA ITEM 8 – PFRTF CLOSEOUT

Allan George (SECI) discussed closeout of the PFRTF citing that the current ability of the system to reliably respond to frequency deviations is adequate. Allan noted that support could diminish over time, and suggested an action item for staff to continue to review frequency events.

Action Item: SPP Staff to continue to review frequency events, analyze the ability of the system to reliably respond to frequency deviations and report to the ORWG as needed. The ORWG may explore adding this action item to ORWG Scope document.

Ron Gunderson (NPPD) motioned that the ORWG take over tracking of the action item for SPP Staff to continue to analyze frequency response and disband the Primary Frequency Response Task Force, having fulfilled the scope of activities as set forth in their charter. John Stephens (CUS) seconded the motion. The motion carried without opposition or abstention.

OPERATING RELIABILITY WORKING GROUP MINUTES

10/6-7/2021

AGENDA ITEM 9 – EAST TRANSMISSION RELIEF GUIDE

Jason Bulloch (SPP) presented a new document to ORWG titled *SPP East Transmission Operating Limits Relief Guide*. The purpose of the document is to set guidelines for RCs to mitigate IROL and SOL exceedances when normal congestion management processes have failed. The ORWG gave input on the document, which SPP staff intends to incorporate and bring back to the ORWG at a later date.

AGENDA ITEM 10 – CASCADING OUTAGE ANALYSIS RESULTS ON GLOBALSCAPE

Will Tootle (SPP) updated the ORWG that cascading outage analysis results are now being posted to GlobalScape. Results are updated every 10 minutes and can be retrieved in a similar manner to RTCA results. Will agreed to bring back metrics based on the 115% threshold currently in place, and discuss potentially lowering that threshold with ORWG at a later date.

AGENDA ITEM 11 – GAP BASELINE

Will Tootle (SPP) presented on SPP staff's review of the Generation Assessment Process (GAP) methodology. Staff made changes to the methodology based on the impact historical data from the 2021 Winter Weather Event was having on the GAP margin. Ron Gunderson (NPPD) suggested looking at record lows as part of the analysis and determine if the shape of the margin cap slope SPP is currently using is in alignment.

AGENDA ITEM 12 – OPERATING CRITERIA UPDATE – ICCP

David Peterson (SPP) gave an overview of a new RR that staff is going to submit to clean up ICCP language in the Operating Criteria. The group noted that the RCAG should be included in the review and approval process.

AGENDA ITEM 13 – FAULT-INDUCED SOLAR PV TRIPPING EVENTS IN TEXAS

William Holden (SPP) presented on a notable disturbance in Odessa, Texas that resulted in a 1,112 MW reduction of solar PV plant output. The presentation is based on a NERC report which is linked in the presentation.

OPERATING RELIABILITY WORKING GROUP MINUTES

10/6-7/2021

AGENDA ITEM 14 – RAS CRITERIA

Adam Bell (SPP) reviewed the draft *Remedial Action Schemes Criteria* document. The group discussed edits and additions to the screening criteria. SPP staff will incorporate the suggestions as applicable and bring back to the ORWG at a later date.

AGENDA ITEM 15 – EMERGENCY OPERATING PLAN

Scott Aclin (SPP) presented an updated version of the *SPP BA Emergency Operating Plan* based on feedback previously received from the ORWG.

Bryn Wilson (OGE) motioned that the ORWG approve the *SPP BA Emergency Operating Plan version 8.0* as modified. Allan George (SECI) seconded the motion. The motion carried without opposition or abstention.

AGENDA ITEM 16 – ROADMAP INITIATIVE EDUCATION

Erin Cathey (SPP) gave an overview of the roadmap process. Today's session is intended to inform the ORWG on all roadmap initiatives that are operations facing. Following the education session, the ORWG will work through a prioritization process to rank the initiatives. Tim Miller (SPP), Zachary Sharp (SPP), Charles Cates (SPP) and Ron Gunderson (NPPD) presented initiatives to the group. There was no education on initiatives that came out of the 2021 February cold weather event review, as the ORWG was highly involved in the review effort and well informed on what those initiatives entail.

AGENDA ITEM 17 – REVIEW OF NEW, OPEN AND CLOSURE PENDING ACTIONS

Zachary noted the new frequency response action item taken by SPP staff.

AGENDA ITEM 18 – GENERAL Q&A/OPEN FORUM

None

AGENDA ITEM 19 – MEETING SCHEDULE

Zachary Sharp (SPP) discussed the November 2021 meeting and the amount of items scheduled for that meeting. The group agreed to alter the meeting to be from 8:30 AM – 3:00 PM. Ron Gunderson (NPPD) suggested adjusting the timing of the December 2021 meeting to also end at 3:00 PM to which the group also agreed.

OPERATING RELIABILITY WORKING GROUP MINUTES
10/6-7/2021

2021:

11/4/2021 WebEx (Thurs) 8:30 AM – 3:00 PM

12/2/2021 WebEx (Thurs) 8:30 AM – 3:00 PM

2022:

1/6/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

2/3/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

3/3/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

3/31/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

May 2022 Face-to-Face (SPP Offices, Little Rock, AR)

- 5/4/2022 8:00 AM – 5:00 PM
- 5/5/2022 8:00 AM – 12:00 PM

6/2/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

6/30/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

8/4/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

9/1/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

September 2022 Face-to-Face (SPP Offices, Little Rock, AR)

- 9/28/2022 8:00 AM – 5:00 PM
- 9/29/2022 8:00 AM – 12:00 PM

11/3/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

12/8/2022 WebEx (Thurs) 8:30 AM – 2:30 PM

AGENDA ITEM 20 – ADJOURNMENT

SPP Chair Allen Klassen (Evergy, Inc.) recessed the ORWG at 2:33 PM on 10/6/2021 and adjourned the ORWG at 12:17 PM on 10/7/2021.

Respectfully Submitted,

Zachary Sharp, ORWG Staff Secretary

OPERATING RELIABILITY WORKING GROUP MINUTES
10/6-7/2021

SUMMARY OF ATTACHMENTS:

ORWG 10/6-7/2021 Agenda (pg. 8-9)

ORWG Member Attendance (pg. 10)

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OPERATING RELIABILITY WORKING GROUP MEETING**

Net Conference

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AGENDA

1. Call to Order..... Allen Klassen
2. Attendance..... Zachary Sharp
3. Antitrust StatementAllen Klassen/Zachary Sharp
4. Agenda Review..... Allen Klassen
5. For Consent (Action) Allen Klassen
 - September 1-2, 2021 ORWG Meeting Minutes Zachary Sharp
 - RR450 TOGs in ITP Joshua Pilgrim
6. Liaison Reports..... Allen Klassen (15m)
 - a. ESRSC Allen Klassen
 - Order 2222 TF..... Ron Gunderson
 - IRATF..... Bryn Wilson/Allen Klassen
7. OCMTF Closeout (Action)..... Doug Peterchuck (30m)
8. PFRTF Closeout (Action).....Allan George (30m)
9. East Transmission Relief Guide (Action) Jason Bulloch/Yasser Bahbaz (45m)
10. Cascading Outage Analysis Results on GlobalScope (Discussion)..... Will Tootle (15m)
11. GAP Baseline (Discussion)..... Will Tootle (30m)
12. Operating Criteria Update – ICCP (Discussion) David Peterson (15m)
13. Fault-Induced Solar PV Tripping Events in Texas (Discussion)..... William Holden (60m)
14. RAS Criteria (Discussion)Adam Bell/Zachary Sharp (45m)
15. Emergency Operating Plan (Action).....Scott Aclin (45m)
16. Roadmap Initiative Education (Discussion)..... SPP Staff (240m)
17. Review of New, Open and Closure Pending Actions Zachary Sharp
18. General Q&A/Open Forum All
19. Meeting Schedule Review..... All

2021:

- 11/4/2021 WebEx (Thurs) 8:30 AM – 12:00 PM
- 12/2/2021 WebEx (Thurs) 8:30 AM – 12:00 PM

2022:

- 1/6/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
- 2/3/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
- 3/3/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
- 3/31/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
- May 2022 Face-to-Face (SPP Offices, Little Rock, AR)
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- 5/5/2022 8:00 AM – 12:00 PM
- 6/2/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
- 6/30/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
- 8/4/2022 WebEx (Thurs) 8:30 AM – 2:30 PM
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20. Adjournment.....Allen Klassen

ORWG Member Attendance:

Name	Company	Role	10/6/2021	10/7/2021
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	✓	✓
Matt Pawlowski	NextEra	Member	✓	✓
Doug Peterchuck	Omaha Public Power District	Member	✓	✓
David Pham	Liberty Utilities	Member	✓	✓
Gary Plummer	Independence Power & Light	Member	****	****
John Roemen	Western Area Power Administration	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	✓	✓

*Proxy vote to Ron Gunderson (NPPD)

**Proxy to John Stephens (CUS)

***Proxy to Clinton Bruhn (LES)

****Proxy to John Mason (INDP)

*****Proxy to Kevin Ma (OG&E)