



Southwest Power Pool, Inc.  
OPERATING RELIABILITY WORKING GROUP (ORWG)  
Net Conference  
Thursday January 7, 2021 8:30 AM – 12:00 PM (CST)

• Action Items and Voting Record •

**Agenda Item 5 – Consent Agenda December 3, 2020 ORWG Meeting Minutes, Required Data Specification – Reference Document Corrections**

Jeff Wells (Grand River Dam Authority) moved to approve the Consent Agenda, and Kyle McMEnamin (Xcel Energy) seconded the motion. The motion carried without opposition or abstention.

**Agenda Item 7 – RR432 Revisions to Attachment U**

Ron Gunderson (Nebraska Public Power District) moved that the ORWG has reviewed RR432 and found no reliability impact, and Jeff Wells (Grand River Dam Authority) seconded the motion. The motion carried with one abstention.



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**• M I N U T E S •**

**Agenda Item 1 – Call to Order**

Chairman Allen Klassen (Eversource, Inc.) called the ORWG to order at 8:32 AM on 1/07/2021.

**Agenda Item 2 – Attendance**

Jason Tanner (Southwest Power Pool) called attendance and a meeting quorum was met.

**Agenda Item 3 – Antitrust Statement**

Jason Tanner (Southwest Power Pool) read the SPP Antitrust Statement.

**Agenda Item 4 – Agenda Review and Notification**

Chairman Allen Klassen (Eversource, Inc.) reviewed the agenda, and noted the ERS update topic addition.

**Agenda Item 5 – Consent Agenda December 3, 2020 ORWG Meeting Minutes, Required Data Specification – Reference Document Corrections**

**Jeff Wells (Grand River Dam Authority) moved to approve the Consent Agenda, and Kyle McMennamin (Xcel Energy) seconded the motion. The motion carried without opposition or abstention.**

**Agenda Item 6 – Liaison Reports**

**6a – Primary Frequency Response Task Force (PFRTF) Activities Update**

Allan George (Sunflower Electric Power Corporation) provided an update to the PFRTF activities and stated that as we consider future provision of Primary Frequency Response (PFR) in the SPP, it is fair to review what the PFRTF has accomplished and how this team's role in these discussions can evolve moving forward. When founded as a subgroup of the ORWG in May of 2018, the PFRTF set out to accomplish the following, as per the team charter:

1. Education of Frequency Response and the impact to reliability.
2. Review existing sources of primary frequency response in SPP and what limitations and capabilities those resources have.
3. Evaluate SPP response to events during periods of varying inverter based resource penetration, compared to expected performance based on SPP dynamic model data.
4. Evaluate existing NERC Standards, NERC Guidelines, SPP Tariff, Market Protocols, and any other documents to determine if additional language is needed to ensure continued reliable operations.
5. Review the potential for market compensation associated with providing primary frequency response.
6. Provide a report to ORWG for all activities listed in 1 through 5.

As part of the collaborative efforts of the team in writing the event analysis of the July 10th, 2018 event, the PFRTF scrutinized unit responses of units that were online during the event, as well as half a dozen other events. Through these efforts, the team was able to establish capabilities as well as inhibitors to providing PFR at the resource level in the SPP footprint. The report preceding this section details the PFRTF's findings after evaluation of a market product as well as providing this group's opinion on other options that could be implemented in the future. The PFRTF has also established a connecting theme between penetrations of inverter based resources and PFR capabilities in the SPP.

As a whole, the PFRTF has largely accomplished its original commissions and will need to evaluate its goals moving forward. As other groups with parallel efforts are created, the SPP PFRTF has the opportunity to collaborate, coordinate efforts, or hand off its mantle to others. The system, the SPP marketplace, and the NERC and market regulations will continue to evolve, and this team, or another parallel team, should always have a role in the determination of utility response.

#### **6b - OCMTF Activities Update**

Doug Peterchuck (Omaha Public Power District) stated that he would defer his update to agenda item 8. Doug stated that the OCMTF will meet again on 1/14/2021.

#### **Agenda Item 7 – RR432 Revisions to Attachment U**

Zachary Sharp (Southwest Power Pool) presented RR432 revisions to Attachment U and stated that this topic was presented briefly during the December ORWG meeting. Zachary stated that RTWG is primary and TWG is secondary for the RR, and commented that the revision request (RR) has been presented to other working groups. Zachary stated that RTWG had no objections to the proposed language changes, MWG provided comments, and TWG made a motion to waive approval of the RR. Zachary stated TWG preferred that MWG and ORWG weigh in on this topic. Zachary stated that SPP's Tariff Attachment U details the "Rate Schedule for Compensation for Rescheduled Maintenance Costs". The current language is antiquated, having been written before much of the Tariff existed, including the Integrated Marketplace and formula rates. Zachary stated that the RR will define which generation outages may qualify for compensation, remove opportunity costs from consideration for compensation, remove the preliminary Transmission Provider (TP) approval step prior to rescheduling an outage, and specify the utilization of Revenue Neutrality Uplift for the TP to recover generation outage compensation costs. The RR also simplifies the provisions addressing transmission outage costs in recognition of existing methods for Transmission Owners to recover such costs. Zachary stated that Attachment U has only been used twice, once in 2019 and 2018. RR432 is being driven by staff and is not member driven. Allen George (Sunflower Electric Power Corporation) asked for clarification on 90 day lead time, and Zachary stated that the lead time is a window between initial submission and start date. Bryn Wilson (Oklahoma Gas and Electric Co.) asked how often generation outages are rescheduled, and Zachary provided statistics. Ron Gunderson (Nebraska Public Power District) asked of 141 outages, how many were approved by SPP, and Zachary stated that 121 were denied within 7 days of submission while 7 were denied within 7-14 days.

**Ron Gunderson (Nebraska Public Power District) moved that the ORWG has reviewed RR432 and found no reliability impact, and Jeff Wells (Grand River Dam Authority) seconded the motion. The motion carried with one abstention.**

**"WFEC abstained from the vote for approval because of the potential need for approval by the SPP Board of Directors and/or FERC, in addition to the reasons that follow this paragraph. WFEC understands that SPP has noted WFEC's previous votes and involvement throughout the SPP Stakeholder process in FERC filings. Therefore, WFEC has abstained to preserve any potential interventions, comments, and/or protests in any necessary and forthcoming FERC filings.**

**This Revision to Attachment U shouldn't eliminate the possibility of reimbursement from the SPP Region for SPP mandated changes to transmission outages. Eliminating this could prevent TOs, and their customers, from being compensated for a change mandated by SPP after SPP initially approved the outage. This is the same situation that GOs find themselves in and GOs are reimbursed from the SPP Region. This will keep Transmission Outage reimbursement the same as Generator Outage reimbursement."**

#### **Agenda Item 8 – RR414 Default Reliability Buffers to Mitigate SOL Exceedances**

William Ragsdale (Southwest Power Pool) provided an update to RR414. William stated that the current voting record consists of MWG rejecting the RR, ORWG approving the RR unanimously, and both RTWG and RCWG tabling the RR. William stated that if we add RTBM buffers, we will propagate buffers up to DAMKT, and similarly address inconsistencies up through the ARR/TCR models, and ITP planning models. William stated that the RR is still being reviewed internally with the affected departments and is targeting February for the next MWG discussion. William stated that if he receives approval from MWG then he would target the April MOPC for final approval.

#### **Agenda Item 9 – Flowgate (FG) Performance Metrics**

William Ragsdale (Southwest Power Pool) presented SPP flowgate (FG) performance metrics. Doug Peterchuck (Omaha Public Power District) asked if purple (DVER) and green (NDVER) lines are in MW or MVA. William stated it is in MWs. Doug Peterchuck asked if action was taken to limit the purple and green line volatility. William stated that if unit actions are not creating reliability issues, then SPP will not take action. Doug Peterchuck asked how reliability issue is defined. Margaret Quispe (Southwest Power Pool) stated that a voltage swing on bus or FG loading will indicate identifiable reliability issues.

#### **Agenda Item 10 – Outage Coordination Metrics**

Will Tootle (Southwest Power Pool) presented the annual outage coordination metrics. Terry Oxandale (Southwest Power Pool) inquired about outages submitted by Sunflower Electric Power Corporation Generation reflected in the transmission outage scorecard. Will stated are based upon the operator certificate submitting the outage. Bryn Wilson (Oklahoma Gas and Electric Co.) asked if opportunity outages are in the forced category. Will stated that opportunity outages are considered unplanned outages.

#### **Agenda Item 11 – SPP Roadmap**

Jason Tanner (Southwest Power Pool) provided an update to the SPP Roadmap process and stated that initiatives will need to be submitted by January 31, 2021. Jason stated that an education session will occur on February 22, 2021 followed by initiative prioritization between March 22 and April 9, 2021. Jason stated that the group will prioritize the initiatives as a team on May 13, 2021. Ron Gunderson (Nebraska Public Power District) ask if converting the SPP market engine from using MW to MVA would qualify as an initiative. Jason stated it would.

#### **Agenda Item 12 – Energy Storage Resource (ESR) Update**

Allen Klassen (Eversource, Inc.) provided an update to the ESR recommendations and asked the task team leaders if they wish to continue in the leadership role. Each of the team leaders indicated that would like to continue. Jason Tanner (Southwest Power Pool) stated that currently discussions are taking place to adjust the current process for policy development. Jason stated that Energy Storage Resource Steering Committee (ESRSC) will have additional seats and the committee will become the primary group on ERS whitepaper recommendations.



**Agenda Item 13/14 – Action Item Review**

No Action items were recorded.

**Agenda Item 17 – General Q/A**

No additional topics were discussed.

**Agenda Item 18 – Meeting Schedule**

- a. 02/3/2021 WebEx (Wed) 0830-1200
- b. 02/4/2021 WebEx (Thurs) 0830-1200
- c. 03/3/2021 WebEx (Wed) 0830-1200
- d. 03/4/2021 WebEx (Thurs) 0830-1200
- e. 04/1/2021 WebEx (Thurs) 0830-1200
- f. 5/5 – 5/6/2021 Face to Face (Tulsa, OK)(GRDA) – Tentative
- g. 6/3/2021 WebEx (Thurs) 0830-1200
- h. 06/29/2021 WebEx (Tues) 0830-1200
- i. 08/5/2021 WebEx (Thurs) 0830-1200
- j. 09/1 – 9/2/2021 Face to Face (Amarillo, TX)(Xcel Offices) – Tentative
- k. 10/7/2021 WebEx (Thurs) 0830-1200
- l. 11/4/2021 WebEx (Thurs) 0830-1200
- m. 12/2/2021 WebEx (Thurs) 0830-1200

**Agenda Item 18 – Adjournment**

Chairman Allen Klassen (Eversource, Inc.) adjourned the ORWG at 12:06 PM on 1/7/2021.

Respectfully Submitted,  
Jason Tanner, Secretary



**Operating Reliability Working Group**  
**Meeting Attendance:1/07/2021**  
**M=Member, G=Guest, S=SPP Staff, P= Proxy**

		Name	Status	Company
x	1	Allen Klassen, Chairman	M	Evergy, Inc.
x	2	Ron Gunderson, Vice Chairman	M	Nebraska Public Power District
x	3	Jim Useldinger	M	South Central MCN
x	4	Gary Plummer	M	City of Independence, MO
x	5	Kyle McMenamin	M	Xcel Energy
x	6	Laurie Gregg	M	Lincoln Electric System
x	7	Allan George	M	Sunflower Electric Power Corporation
x	8	Jeff Wells	M	Grand River Dam Authority
x	9	Mark Eastwood	M	City Utilities of Springfield
x	10	Doug Peterchuck	M	Omaha Public Power District
x	11	Bryn Wilson	M	Oklahoma Gas and Electric Co.
x	12	Chris Shaffer	M	American Electric Power
x	13	David Pham	M	Empire District Electric Company
x	14	Chance Myers	M	Western Farmers Electric Cooperative
x	15	Abu Elteriefi	M	ITC Holdings
x	16	Keith Carman	M	Tri-State G&T
x	17	Jimmy Wheeler	G	Southwestern Power Administration
x	18	Baryaley Sharwani	G	Western Area Power Administration
x	19	Sean Erickson	G	Western Area Power Administration
x	20	Ryan Kirk	G	American Electric Power
x	21	Ann Beasley	G	American Electric Power
x	22	John Boshears	G	City Utilities of Springfield
x	23	Calvin Daniels	G	Western Farmers Electric Cooperative
x	24	Jason Mazigian	G	Basin Electric Power Cooperative
x	25	Pablo Ruiz	G	Brattle Group
x	26	Steve Gaw	G	The Wind Coalition
x	27	Christopher Lyons	G	Customized Energy Solutions
x	28	Ronald Thompson	G	Nebraska Public Power District
x	29	John Allen	G	City Utilities of Springfield
x	30	Marc Gomez	G	Southwestern Power Administration
x	31	Jeff Knottek	G	City Utilities of Springfield
x	32	Duan Gavel	G	City Utilities of Springfield
x	33	Natasha Henderson	G	Golden Spread Electric Cooperative
x	34	Ryan Koch	G	Basin Electric Power Cooperative
x	35	Danielle Suppes	G	Sunflower Electric Power Corporation
x	36	Keeth Works	G	Southwestern Power Administration
x	37	seth cochran	G	DC Energy
x	38	Chris Bultsma	G	Western Area Power Administration
x	39	Carrie Dixon	G	Xcel Energy
x	40	Kylah McNabb	G	Vesta Strategic Solutions, LLC.
x	41	Marc Zolnierz	G	Midwest Energy
x	42	Amanda Underwood	G	Omaha Public Power District
x	43	Ben Hammer	G	Western Area Power Administration
x	44	Neal Faltys	G	Omaha Public Power District
x	45	Tom Mayhan	G	Omaha Public Power District
x	46	Jason Tanner	S	Southwest Power Pool
x	47	Will Tootle	S	Southwest Power Pool
x	48	Trey Rosel	S	Southwest Power Pool
x	49	Frank Flores	S	Southwest Power Pool
x	50	Scott Brown	S	Southwest Power Pool
x	51	Michael McCann	S	Southwest Power Pool
x	52	Daniel Baker	S	Southwest Power Pool
x	53	Zachary Sharp	S	Southwest Power Pool
x	54	Don Frerking	S	Southwest Power Pool
x	55	Will Ragsdale	S	Southwest Power Pool
x	56	Steve Davis	S	Southwest Power Pool
x	57	James Williams	S	Southwest Power Pool
x	58	Derek Hawkins	S	Southwest Power Pool

x	59	Chad Hankins	S	Southwest Power Pool
x	60	Stephen Fitch	S	Southwest Power Pool
x	61	Brett Springfield	S	Southwest Power Pool
x	62	Margaret Quispe	S	Southwest Power Pool
x	63	Charles Cates	S	Southwest Power Pool
x	64	Terry Oxandale	S	Southwest Power Pool