



Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP
Net Conference
Tuesday July 30, 2019 8:30 AM – 12:00 PM (CST)

• Action Items and Voting Record •

Agenda Item 5a – Consent Agenda (June 27, 2019 ORWG Meeting Minutes, RR364 Revise Section 7.2 of the SPP Planning Criteria, and RR361 Ramp Capability Product)

Jeff Wells (Grand River Dam Authority) moved to approve the consent agenda, and Chris Shaffer (American Electric Power) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 7 – Scope Review

Jeff Wells (Grand River Dam Authority) moved to approve the ORWG Scope Document, and Ron Gunderson (Nebraska Public Power District) seconded the motion. The motion carried without opposition or abstention.



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• M I N U T E S •

Agenda Item 1 – Call to Order

Chairman Allen Klassen (Westar Energy, Inc.) opened the meeting at 8:37 AM on 07/30/2019.

Agenda Item 2 – Attendance

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

Agenda Item 3 – Antitrust Statement

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

Agenda Item 4 – Agenda Review and Notification

Allen Klassen (Westar Energy, Inc.) reviewed the agenda and noted the items that would require action. Jason Tanner (Southwest Power Pool) notified ORWG that RR365 - Day Ahead Market Timeline Enhancement was officially withdrawn.

Agenda Item 5a – Consent Agenda

Allen Klassen (Westar Energy, Inc.) discussed the consent agenda, which included the June 27, 2019 ORWG Meeting Minutes, RR364 Revise Section 7.2 of the SPP Planning Criteria, and RR361 Ramp Capability Product. Ron Gunderson (Nebraska Public Power District) requested to pull RR363 Definition of Material Modification for Existing Transmission.

Jeff Wells (Grand River Dam Authority) moved to approve the consent agenda, and Chris Shaffer (American Electric Power) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 5b – Items Pulled from the Consent Agenda

c. RR363 Definition of Material Modification for Existing Transmission

Ron Gunderson (Nebraska Public Power District) questioned whether the recommendation report the most recent version as it did not have actions of groups that met before the meeting materials were posted. Having the most recent version would aid in understanding the actions taken by the other working groups. Micha stated that BPWG, TWG, and RCWG approved the document, however were recommending the changes be made in section 5 of the SPP Planning Criteria instead of a business practice. According to the routing criteria ORWG would not be a secondary approver of the revision request if it moves under section 5 of the SPP Planning Criteria. Based on Micha's comments ORWG did not take action on the revision request.

Agenda Item 6 - Liaison Reports

6a - PFRTF Activities Update

Allan George (Sunflower Electric Power Corporation) provided an update to the Primary Frequency Response Task Force (PFRTF) activities. Allan stated that the PFRTF is discussing a frequency response requirement and still analyzing the 2/23/19 event.

6b - SRTF Activities Update

Jeff Wells (Grand River Dam Authority) stated that the SRTF will meet again on August 8, 2019 where the group will discuss the real time capabilities of units and follow up on action items.

6c - OCMTF Activities Update

Will Ragsdale (Southwest Power Pool) provided an updated to the OCMTF activities and stated that the group is focusing on power swings, market to market, statistics for SOL exceedances, and a congestion cost study.

Agenda Item 7 – Scope Review

Allen Klassen (Westar Energy, Inc.) provided an overview of the scope document and discussed the redline changes that include an addition for events analysis. Allen also explained that the old charter was updated into the new scope format and that SPP working groups will no longer use the term charter for their governing document. Allen stated that we will likely return to ORWG with additional changes in the scope as the ORWG absorbs the BAOC.

Jeff Wells (Grand River Dam Authority) moved to approve the ORWG Scope Document, and Ron Gunderson (Nebraska Public Power District) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 8 – Evaluation of Planned Outages

Bruce Grabow (Locke Lord) stated that SPP policy allows a Transmission Owners in SPP to schedule transmission outages and SPP will approve the outages if no reliability impact is present. However, no consideration is given to the impacts on the market. Bruce stated that this approach is causing significant ratepayer harm through heavy congestion and high LMPs in the day-ahead and real time markets. Bruce provided examples of past scenarios where outages caused severe congestion that impacted LMPs and recommended that SPP consider longer lead times for planned outages so economic impacts could be assessed using tools such as PROBE. The ORWG raised concerns that the example scenarios provided only looked at cost and not the cost of alternatives, and as such were not indicative of whether or not the outages were scheduled at the most opportune time or not. It was also noted the examples were long-term outages to install additions that reduced congestion or interconnection requests for new resources. There were concerns about the volatility of the SPP market dispatch and the ability to accurately project costs of a transmission outage. The ORWG expressed concerns that delaying planned outages would potentially cause an increase in forced outages which could have a detrimental impact on costs to ratepayers. Mr. Grabow agreed the analysis was incomplete and further information would be needed to determine if the proposal would be cost effective. Allen Klassen (Westar Energy, Inc.) stated that one of the HITT recommendations includes economic outage coordination and that ORWG would continue this discussion.

Agenda Item 9 – Flowgate Management

Jeff Wells (Grand River Dam Authority) discussed flowgate management and questioned how often transmission reconfiguration is used as first step to solve flowgate congestion. Terry Oxandale (Southwest Power Pool) stated that transmission reconfiguration is not used as a first step and SPP would bind a flowgate in the CME process as a first step. Terry stated that if a flowgate become difficult to manage then reconfiguration options would be considered similar to methods used in the TLR process. Terry explained the history and stated that during a TLR4 all non-firm would be curtailed and transmission reconfiguration would be used if available before curtailing firm transmission. Margaret Quispe (Southwest Power Pool) discussed communications through RCOM and stated that some entities have started using the tool to coordinate outages in real time. Margaret stated that

SPP would prefer a phone call, and Zachary Sharp (Southwest Power Pool) stated that he would determine how outages should be submitted in CROW for reconfiguration.

Agenda Item 10 – Conservative Operations

Terry Oxandale (Southwest Power Pool) discussed the conservative operations notifications that are sent out by SPP Operations. Terry explained the expectations and future considerations and stated that SPP will work to clarify language in the message to help the members better understand the reasons for the conservative operations notice. Terry stated that SPP is currently working to identify criteria to define the use of conservative operations and situations that only require awareness. Ron Gunderson (Nebraska Public Power District) stated that he would like to see the “why” included in the conservative operations notification so members can better understand how to assist. Chris Shaffer (American Electric Power) stated he would like to see an anticipated end time included in the notification. Terry stated that SPP could add an end time forecast to the notification. However, the end time will likely be adjusted and not very accurate.

Agenda Item 11 – Auto-activated flowgates

Terry Oxandale (Southwest Power Pool) discussed auto-activation of constraints and stated that the process has worked well since implementation. Terry stated that in previous ORWG meetings the group discussed the option of automatically setting an effective limit below 100%, and Terry asked the group if they were still interested in moving forward. Jeff Wells (Grand River Dam Authority) stated that we should move forward with lowering the effective limit, however further discussions will be needed. Jeff stated that he would like to see a formal recommendation from the OCMTF before any action is taken. Jeff asked if it is ok for the TOPs to currently request the SPP RC to manually lower an effective limit on a flowgate, and Terry stated it was.

Agenda Item 12 – Generation Outage Assessment

Garrett Crowson (Southwest Power Pool) stated that SPP is experiencing an increase in generation outages in combination with changing system conditions, and SPP has begun to perform more analysis on generation outage planning and available capacity. Garrett stated that the objective of the generation outage assessment is to determine if a capacity threshold should be implemented to protect reliability and decrease risk. Garrett explained the scope of the Generation Assessment Project (GAP) which defines the process for how capacity margins will be protected by the SPP BA. Garrett also explained that the scope includes requirements to develop a methodology for projecting reliability capacity margins.

Agenda Item 13 – HITT Recommendation

Charles Cates (Southwest Power Pool) provided a high-level overview of the HITT Recommendations and stated that the SPP Board of Directors approved the 21 recommendations. Charles stated that one of the HITT recommendations that ORWG is primary on is the economic evaluations of reliability, and that staff would be returning to ORWG at future meetings to discuss the item. Charles recommended that ORWG keep this item as a standing agenda item for future updates and discussions.

Other Items:

Agenda Item 14 – ORWG Member Topic List

The ORWG member topic list was provided in the meeting material packet.

Action Item Review:

Agenda Item 15 – Review of Open and Closure Pending Actions

The action item list was provided in the meeting material packet.

Agenda Item 16 – New Action Items

Jason Tanner (Southwest Power Pool) reviewed the new action items with the ORWG.

Agenda Item 17 – General Q&A/Open Forum

Agenda Item 18 – Meeting Schedule

- a. 9/5/2019 WebEx (Thurs) 0830-1200
- b. 10/2 - 10/3/2019 Face-to-Face (Dallas, TX)(AEP Office) – CONFIRMED
- c. 11/7/2019 WebEx (Thurs) 0830-1200
- d. 12/5/2019 WebEx (Thurs) 0830-1200
- e. 1/07 - 1/08/2020 Face-to-Face (Denver, CO)(Xcel) – CONFIRMED
- f. 2/6/2020 WebEx (Thurs) 0830-1200
- g. 3/5/2020 WebEx (Thurs) 0830-1200
- h. 4/01 - 4/02/2020 Face-to-Face (Amarillo, TX)(Xcel) – CONFIRMED
- i. 5/7/2020 WebEx (Thurs) 0830-1200
- j. 6/4/2020 WebEx (Thurs) 0830-1200
- k. 6/30 - 7/01/2020 Face-to-Face (Tulsa, OK)(GRDA) – CONFIRMED
- l. 8/6/2020 WebEx (Thurs) 0830-1200
- m. 9/3/2020 WebEx (Thurs) 0830-1200
- n. 9/30 - 10/01/2020 Face-to-Face (Little Rock, AR)(SPP) – CONFIRMED
- o. 11/5/2020 WebEx (Thurs) 0830-1200
- p. 12/3/2020 WebEx (Thurs) 0830-1200

Agenda Item 20 – Adjournment

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 12:01 PM (CST) on 07/30/2019.

Respectfully Submitted,
Jason Tanner, Secretary



**Operating Reliability Working Group
Meeting Attendance: 7/30/2019
M=Member, G=Guest, S=SPP Staff, P= Proxy**

Day 1		Name	Status	Company
x	1	Allen Klassen, Chairman	M	Westar Energy
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
a	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
P	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
a	15	Craig Speidel	M	Western Area Power Administration
a	16	Abu Elteriefi	M	ITC Holdings
x	17	Keith Carman	M	Tri-State G&T
x	18	John Stephens Proxy for Mark Eastwood	P	City Utilities of Springfield
x	19	Kevin Ma	G	Oklahoma Gas and Electric Co.
x	20	Michael Fuller	G	Oklahoma Gas and Electric Co.
x	21	Steve Gaw	G	The Wind Coalition
x	22	Rodica Donaldson	G	EDF Renewables
x	23	John Allen	G	City Utilities of Springfield
x	24	Seth Cochran	G	Nebraska Public Power District
x	25	Eric Ruskamp	G	Lincoln Electric System
x	26	Bruce Grabow	G	Lockelord
x	27	Ryan Kirk	G	American Electric Power
x	28	Neal Faltys	G	Omaha Public Power District
x	29	Sean Erickson	G	DC-Energy
x	30	Carrie Dixon	G	Xcel Energy
x	31	Troy Zuccaro	G	DC-Energy
x	32	John Hare	G	Oklahoma Gas and Electric Co.
x	33	Jason Mazigian	G	Basin Electric Power Cooperative
x	34	Philip Westby	G	Basin Electric Power Cooperative
x	35	Chris Lyons	G	Customized Energy Solutions
x	36	Jim Krajecki	G	Customized Energy Solutions
x	37	Tom Mayhan	G	Omaha Public Power District
x	38	Jason Tanner	S	Southwest Power Pool
x	39	Morteza	S	Southwest Power Pool
x	40	Margaret B. Quispe	S	Southwest Power Pool
x	41	Cody Parker	S	Southwest Power Pool
x	42	John Gunter	S	Southwest Power Pool
x	43	Ricky Finkbeiner	S	Southwest Power Pool
x	44	Scott Aclin	S	Southwest Power Pool
x	45	Ken Quimby	S	Southwest Power Pool
x	46	Alan Wahlstrom	S	Southwest Power Pool
x	47	Dustin Courtright	S	Southwest Power Pool
x	48	Greg Reed	S	Southwest Power Pool
x	49	Chase Harrod	S	Southwest Power Pool
x	50	Charles Cates	S	Southwest Power Pool
x	51	Terry Oxandale	S	Southwest Power Pool
x	52	Andrew Davies	S	Southwest Power Pool

x	53	Zachary Sharp	S	Southwest Power Pool
x	54	Kim VanBrimer	S	Southwest Power Pool
x	55	Patrick deLassus	S	Southwest Power Pool
x	56	Kathryn Dial	S	Southwest Power Pool
x	57	Kristen Darden	S	Southwest Power Pool
x	58	Joe Ghormley	S	Southwest Power Pool