



**Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP**

Teleconference

November 05, 2015 8:30 - 12:00 p.m. (CST)

• A c t i o n I t e m s •

- 1. Draft notification for using SPP CROW Proposed Status and send to ORWG.**
- 2. Draft Load Shed drill notification with dates and times and send to ORWG.**



**Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP**

Teleconference

November 05, 2015 8:30 - 12:00 p.m. (CST)

• M I N U T E S •

Administrative Items / Attendance / Agenda Review

Chairman Jim Useldinger (KCPL) opened the meeting at 8:35 am.

Casey Cathey (SPP) called attendance.

Jim Useldinger (KCPL) reviewed the agenda and noted all the approval items that would require action.

Consent Agenda

Chairman Jim Useldinger (KCPL) asked the ORWG if they were prepared to approve the meeting minutes for October.

Allen Klassen (WR) moved to approve the minutes from October. Todd Gosnell (OPPD) seconded the motion. The motion passed without opposition or abstention.

Liaison Reports

MOPC Update

Chairman Jim Useldinger (KCPL) stated that RR112, RR116 and RR117 were approved at MOPC and RR96 was pulled from the MOPC consent agenda. Jim stated that concerns were raised about the 14 day approval deadline, but after discussion RR96 was approved at MOPC. Jim also stated that the Basin SPS was not voted on and was postponed.

Reliability Call for Winter Preparedness

Chairman Jim Useldinger (KCPL) mentioned that a reliability call for winter preparedness will take place from 1:30PM to 3:00PM on December 1st, 2015. Carl Stelly (SPP) stated that the call would be closed to non-reliability entities, and that the call would utilize the former "monthly Reliability Call" platform. The discussion will address winter weather outlooks, potential issues SPP is concerned with, and SPP will request additional stakeholder issues and concerns.

Use of "Proposed" Outage Status in CROW

Casey Cathey (SPP) explained the proposed status in CROW and stated that this would help with TCR underfunding. Casey stated that currently there is no requirement that states stakeholders have to use this status, but explained that using this status would increase efficiencies for TCRs. Casey Cathey (SPP) requested for ORWG member to consider using the status. A question was raised about the impact of some folks using the status and other not using it. Casey stated that it would impact TCRs, which could potentially impact other market participants.

ACTION ITEM: Draft notification for using SPP CROW Proposed Status and send to ORWG.

Capacity Deficiency Load Shed Drills Update

Karen Thomas (SPP) gave an update on the load shed drills, and stated that the Pilot drills will be held on January 21, 2016, February 25, 2016, and March 31, 2016. Karen stated SPP is currently working on the implementation specifics for the load shed drills, but expects the drills to provide opportunities for emergency procedures practice.

ACTION ITEM: Draft Load Shed drill notification with dates and times and send to ORWG.

Reserve Margin LOLE Study

Chris Haley (SPP) gave a recap of the CMTF call, and Chris stated that he is expecting a recommendation, currently doesn't know what the number is yet. Chris asked the ORWG if they had any questions. Chairman Jim Useldinger (KCPL) asked if the study meets the scope, and Chris commented that his understanding is that the study did meet the scope. Chris stated that the CMTF is looking for a road map from ORWG. Ron Gunderson (NPPD) commented that he is concerned that the study does not support a reduction in reserve margin, and a reserve margin reduction of 2% is too much. Ron also commented that he would like to see ramp capability and frequency response in the next study. Chris noted that the study was very conservative when compared to MISO, and gave examples such as MISO using a flat wind profile of 14% that only equates to around 2 gigs of wind. David Pham (EDE) commented that he doesn't believe reducing the reserve margin is the correct approach, he stated that he would rather pay higher rates and carry more reserves than position ourselves into an increased load shed risk. Chairman Jim Useldinger (KCPL) asked the group to provide a road map for the CMTF. Jim stated currently we have three options "Lower RM by a set amount", "Lower RM by a small amount and reassess in 2 years", or "Leave RM and reassess in 2 years".

In favor of "Lower RM by a set amount"

Kyle McMenamain (XCEL)

In favor of "Lower RM by a small amount and reassess in 2 years"

Allen Klassen (WR)

Jeff Well (GRDA)

Ron Gunderson (NPPD)

Gary Plummer (INDN)

Jim Useldinger (KCPL)

In favor of "Leave RM and reassess in 2 years"

Allen Klassen (WR)

Jeff Well (GRDA)

Ron Gunderson (NPPD)

Gary Plummer (INDN)

David Pham (EDE)

Bryn Wilson (OKGE)

Jim Useldinger (KCPL)

Approval Items and Staff Reports for Discussion

Agenda Item 1 – RR113 Node Connectivity Requirement Enhancement

Casey Cathey (SPP) Displayed comments for RR113, and Tim Miller (SPP) provided an overview of the changes made in the revision request. John Stevens (SPRM) commented that under node connectivity in the RR it seems that bullet 1 and 2 are redundant. David Peterson (SPP) explained that one bullet discussed the node requirements and the second bullet discusses the set point requirements. The group focused on the language and made small clarifying adjustments. Casey Cathey (SPP) asked ORWG if a lead time of 12 or 18 months was sufficient for this revision request. The group agreed that 18 months would be sufficient. Todd Gosnell (OPPD) inquired about the sentence “should there be a separate provision and requirements for failovers between alternate control centers” Tim Miller displayed and explained that he added an additional sentence to cover the comment.

John Stephens (SPRM) moved to approve RR113 Node Connectivity Requirement Enhancement with the noted changes and a lead time of 18 months. David Pham (EDE) seconded the motion. Allen Klassen opposed “I voted no due to direct hardware/software replacement costs to Westar and likely to others to meet these new requirements.” The Motion was approved without abstention.

Agenda Item 2 – RR115 Notification of Resource Retirements

Jon Langford (SPP) presented RR115 to ORWG and Jon explained that SPP does not have any requirements around resource retirements. Jon stated that we added a 6 month notification and MWG approved the revision request. Jon asked the group if there were any questions or concerns from the ORWG. Ron Gunderson (NPPD) asked if there was any language allowing SPP to deny a retirement. Ron commented that a 6 month notification lead time seems to be very short notice. Jon commented that currently the revision request does not include language that allows SPP to deny retirements, but will address the requirements in a future revision request.

Ron Gunderson (NPPD) moved to approve RR115 Notification of Resource Retirements. Allan George (SUNC) seconded the motion. The motion was approved without opposition or abstention.

Agenda Item 3 – EOP Drafting Team Outreach

This Item was tabled until a future ORWG meeting.

Jon Langford (SPP) commented that he will send ORWG redlines from the EOP Drafting Team.

Agenda Item 4 – RR 95 BP1500 DC Ties

Ken Quimby (SPP) presented an overview of RR95 and Ken explained that the RR addresses the additional DC Ties involved with the IS integration to Business Practice 1500. Ken explained the service requirements for transactions across the Miles City DC tie. Ken also explained the rules for the Sydney, Rapid City, and Stegall DC Ties.

Todd Gosnell (OPPD) moved to approve RR95 BP1500 DC Ties, and Allan George (SUNC) seconded the motion. The motion passed without opposition or abstention.

Agenda Item 5 – RR 81 Control Status Clarification

Raleigh Mohr (SPP) gave an overview of the revision request. Raleigh stated that MOPC approved RR 81 during the July MOPC and the revision request clarifies when it's acceptable to use each control status. Raleigh stated that RR 81 limited the use of control mode 3, which is manual control status. Raleigh stated that control mode 3 could be used during start-up, shut-down, testing, unit trip, condensing, non-capable dispatch levels, environmental issues, control issues, mechanical issues, or QFs exercising its rights under PURPA to deliver its net output to the host utility. Raleigh provided statistics to the ORWG and commented that SPP experienced little to no reduction or increases to the amount of available ramp.

Agenda Item 6 – GMD Kp Level

Tim Miller (SPP) review the memorandum sent to ORWG and raised concerns about conflicting be sent from SPP to its membership if SPP provides an ICCP point. Tim stated that MISO currently does not offer the value over ICCP and MISO will likely be turning the GMD notification process over the PJM. Tim stated that if SPP were to provide the information over ICCP we would have to collect the information from NOAA, which may be delayed information from what MISO sent out through e-mail.

Agenda Item 7 – RTCA and Netmom Topology Verification

Michael Nugent (SPP) discussed the RTCA and Netmom Topology Verification process. Michael stated that SPP publishes RTCA results for members on OPS1, and he explained that the models used for RTCA are the same as EMS and the Market. Michael explained that SPP offers an online read only view of EMS called RDSERVER, which is a branch-bus and node-breaker online of the current production EMS model. Michael stated that RDSERVER will include the state estimated and telemetered data for all transmission facilities, and access to RDSERVER must be requested through RMS by SPP member transmission operations staff. Michael explained the Model Change Submission Tool (MCST) which is used to track member-submitted model changes for EMS updates. The MCST has a tree/hierarchical view and GUI called graphic modeler. Michael stated that access to the tool will require an RMS ticket to be submitted. Michael also discussed CIM exports and stated they are available by request, and can be exported in .CSV or Excel formatted. Chairman Jim Useldinger (KCPL) asked who do we send model dump request too. Michael stated that request could be sent to EMSmodeling@spp.org. Michael also commented that we are working toward a PSS/E .raw format from the SPP State Estimator that could be posted to the portal.

Agenda Item 8 – Collective Posting of RC/TOP Next Day Reliability Studies

Will Tootle (SPP) gave a quick update on Collective Posting of RC/TOP Next Day Reliability Studies. Will stated that we have been working with our IT department to the post the studies, and it is currently a listed project for IT. Will stated that the project scored as low priority, so we will have to continue following the progress for this project.

Agenda Item 9 – New SPP Website Questions and Feedback

Alice Wright (SPP) explained the website project and gave a brief history of the development process for the new site. Alice discussed feedback she has already received from other members, and explained that we are working to address login issues, and meeting notifications. Alice showed ORWG where then can add meetings to personal calendars. Ron Gunderson (NPPD) explained his concerns with using the registration email links and how the links send you directly to you profile causing additional search efforts. Alice stated that she was aware of the issue and it is currently a high priority issue. Ron Gunderson (NPPD) provided feedback about the price contour map and compared MISOs price contour map. Ron stated he would like SPPs price contour map to have similar options that MISO provides there members.

Agenda Item 10 – Update for RR98 Expanding the Use of SPP CROW

Neil Robertson (SPP) gave a brief update on the progress of work involved with implementing RR98.

Agenda Item 11 – Outage Coordination Metrics (October)

The Outage Coordination Metrics were provided in the meeting materials.

Agenda Item 12/13 – ORWG Action Item Review

Jason Tanner (SPP) reviewed the action items.

Agenda Item 16 – Other Items

No Items were added.

Agenda Item 17 – Meeting Schedule

- a. 12/3/2015 WebEx (Thurs) 0830-1200
- b. 1/6-7/2016 Face-to-Face (Denver, CO; Xcel offices) - CONFIRMED
- c. 2/4/2016 WebEx (Thurs) 0830-1200
- d. 3/2-3/2016 Face-to-Face (Little Rock, Arkansas) - CONFIRMED
- e. 4/7/2016 WebEx (Thurs) 0830-1200
- f. 5/5/2016 WebEx (Thurs) 0830-1200
- g. 6/1-2/2016 Face-to-Face (Tampa Bay, FL; FRCC offices) - TENTATIVE
- h. 7/7/2016 WebEx (Thurs) 0830-1200
- i. 8/4/2016 WebEx (Thurs) 0830-1200
- j. 8/31-9/1/2016 Face-to-Face (Little Rock, Arkansas)
- k. 10/6/2016 WebEx (Thurs) 0830-1200
- l. 11/3/2016 WebEx (Thurs) 0830-1200
- m. 12/1/2016 WebEx (Thurs) 0830-1200

Agenda Item 18 – Summary of Action Items

See Page 1 Action Item list.



Agenda Item 19 – Adjourn

Chairman Jim Useldinger (KCPL) adjourned the ORWG at 11:58 PM.

Respectfully Submitted,

Casey Cathey
Secretary



**Operating Reliability Working Group
Meeting Attendance: 11/05/2015
M=Member, G=Guest, S=SPP Staff, P= Proxy**

Day 1		Name	Status	Company
X	1	Jim Useldinger, Chariman	M	Kansas City Power & Light
X	2	Allen Klassen, Vice-Chairman	M	Westar Energy
P	3	Paul Lampe	M	City of Independence, MO
X	4	Kyle McMenamin	M	Xcel Energy
X	5	Ron Gunderson	M	Nebraska Public Power District
	6	Steve Haun	M	Lincoln Electric System
X	7	Allan George	M	Sunflower Electric Power Corporation
X	8	Jeff Wells	M	Grand River Dam Authority
X	9	John Stephens	M	City Utilities of Springfield
X	10	Todd Gosnell	M	Omaha Public Power District
X	11	Bryn Wilson	M	Oklahoma Gas and Electric Co.
X	12	Dennis Sauriol	M	American Electric Power
P	13	Darrel Yohnk	M	ITC Holdings
X	14	David Pham	M	Empire District Electric Company
X	15	Abubaker Elteriefi	P	Proxy for Darrel Yohnk
X	16	Gary Plummer	P	Proxy for Paul Lampe
X	17	Ben Hammer	G	Western Area Power Administration
X	18	Craig Speidel	G	Western Area Power Administration
X	19	Darryl Boggess	G	Western Farmers Electric Cooperative
X	20	James Lewis	G	Noble Great Plains Windpark LLC
X	21	Jeremy Severson	G	Basin Electric Power Cooperative
X	22	Jim Krajecki	G	Customized Energy Solutions
X	23	John Allen	G	City Utilities of Springfield
X	24	John Boshears	G	City Utilities of Springfield
X	25	Mark Eastwood	G	City Utilities of Springfield
X	26	Mark Robinson	G	Southwestern Power Administration
X	27	Neal Faltys	G	Omaha Public Power District
X	28	Phil Cox	G	American Electric Power
X	29	Rafael Gallastegui	G	PSISoft
X	30	Robert Hirschak (Cleco)	G	Cleco
X	31	Robert Janssen	G	Dogwood Energy, LLC
X	32	Sing Tay	G	Oklahoma Gas & Electric
X	33	Terry Gates	G	American Electric Power
X	34	Tom Hestermann	G	Sunflower Electric Power Corporation
X	35	Tom Mayhan	G	Omaha Public Power District
X	36	Alice Wright	S	Southwest Power Pool
X	37	Casey Cathey	S	Southwest Power Pool
X	38	David Peterson	S	Southwest Power Pool
X	39	Derek Hawkins	S	Southwest Power Pool
X	40	Gary Snow	S	Southwest Power Pool
X	41	Jason Tanner	S	Southwest Power Pool
X	42	Jon Langford	S	Southwest Power Pool
X	43	Karen Thomas	S	Southwest Power Pool
X	44	Ken Quimby	S	Southwest Power Pool
X	45	Kitty McArthur	S	Southwest Power Pool
X	46	Micha Bailey	S	Southwest Power Pool
X	47	Michael Nugent	S	Southwest Power Pool
X	48	Neil Robertson	S	Southwest Power Pool
X	49	Raleigh Mohr	S	Southwest Power Pool
X	50	Tim Miller	S	Southwest Power Pool
X	51	Will Tootle	S	Southwest Power Pool
X	52	Greg Sorenson	S	Southwest Power Pool RE