



Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP
Teleconference
May 07, 2015 9:30 - 12:00 p.m. (CST)

• A c t i o n I t e m s •

1. Will Tootle (SPP) will update the company and unmask the names in the Outage Metrics information, sending to the ORWG members.
2. Ty Mitchell (SPP) will continue the congestion hedging update discussion in June. Ty will also provide an example demonstrating the TCR processes.
3. Casey Cathey (SPP) to work with Debbie to determine impacts in the Oscillation discussion.

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• M I N U T E S •

Agenda Item 1 – Administrative Items/Review Agenda

Chairman Jim Useldinger (KCPL) opened the meeting at 9:34 am. Adjustments to the agenda included moving FERC Order 1000 overview to agenda item 3.

Agenda Item 2 – Approve Previous Minutes

Jim Useldinger (KCPL) asked the ORWG if they were prepared to approve the meeting minutes for April 17, 2015.

Paul Lampe (INDN) moved to approve the minutes from April 17, 2015. Todd Gosnell (OPPD) seconded the motion, the motion passed unanimously.

Agenda Item 3 – Revision Request Consent Agenda

Casey Cathey (SPP) discussed RR76 Net Benefits Test Clean-Up.

Ron Gunderson (NPPD) moved to approve RR76 as no reliability impact. Steve Haun (LES) seconded the motion. The motion passed unanimously.

Agenda Item 4 – Outage Metrics update

Will Tootle (SPP) reviewed the outage metrics information provided in the in meeting material. Dennis Sauriol (AEP) asked Will Tootle (SPP) to explain how the calculation comparisons worked, and Will provided details about the metric comparisons between the outage submitted time versus the actual start time. Will Tootle (SPP) explained how outages could be considered late as outages schedules are adjusted. Will stated if an outage had to be rescheduled, and the actual outage start time was moved closer to the outage submission time less than 7 days it would likely show up as late and unplanned. But, he also stated if the actual start was adjust greater than 7 days from the outage submitted time, it would be considered a planned outage. Will surveyed the ORWG about unmasking the individual companies in the metric report. ORWG didn't have any objection and welcomed the idea. Jim Useldinger (KCPL) complimented Will Tootle (SPP) on the changes and the reports being provided now.

ACTION ITEM: Will Tootle (SPP) will update the company and unmask the names in the Outage Metrics information, and send to the ORWG members.

Agenda Item 5 – Regulation Performance update

This agenda item was postponed until the June face to face meeting in Grand Island, NE.

Agenda Item 6 – Generator Governor Frequency Response

Derek Hawkins (SPP) reviewed the information provided in the meeting material. He provided a summary of the survey from the NERC Industry Advisory and their recommendations from Feb 5, 2015. Derek also, presented highlights from the NERC webinar explaining interconnection frequency response. Derek pointed out some of the major emphasis with respect to AGC and governor response. Derek also talked about penalties due to slow frequency response. Ron Gunderson (NPPD) asked if we're prepared to meet the requirements for frequency response in BAL-003. Neil Robertson (SPP) suggested that we will meet the requirements. If an event occurs during the load pick up it could be close. Carl Stelly (SPP) added that there will be some focus on if units are responding the way the GOPs think they are, which led to the advisory. Carl also stated governor droop settings will also need to be reviewed.

Agenda Item 7 – Discuss North-South Oscillations

Ricky Finkbeiner (SPP) gave an overview of the North – South oscillations and reviewed the information provided in the meeting material. Rickey stated goals; he presented differences between real-time dispatch and relief assigned. Rickey mentioned that SPP is seeing oscillations regardless if flowgates are binding. Rickey also discussed the details for some of the oscillations. Ron Gunderson (NPPD) asked if we see the wind go offline when prices are negative and return online when prices are positive. Rickey explained how some of the market to market logic worked to help address Ron's question. Rickey stated that SPP is in communication with MISO about concerns we are seeing with price volatility. John Stephens (SPRM) asked if MISO has similar limitations with wind that SPP encountered. Casey Cathey (SPP) said 60% of the wind turbines in SPP are non-dispatchable, and many wind farms in Iowa are not dispatchable in the traditional sense. Casey Cathey (SPP) also indicated that there will be different congestion patterns expected with the integration of the Western area but it will be independent of the North/South oscillation issue.

ACTION ITEM: Casey Cathey (SPP) to work with Debbie to determine impacts in the Oscillation discussion.

Agenda Item 8 - Discuss Charter Updates

Casey Cathey (SPP) displayed the charter with redline changes. Jim Useldinger (KCPL) discussed the proposed changes, and stated any approved changes by the ORWG would go before MOPC in July for approval. Jim Useldinger (KCPL) stated Danny McDaniel (CLECO) has submitted a resignation letter from the ORWG, we have 13 members now. John Stephens (SPRM) inquired about how we determine the number that we want between 12 and 17. Jim Useldinger (KCPL) said it's an evolving process and with the Integrated System joining SPP, an expansion to the charter would likely be necessary to balance the representation across the footprint. Paul Lampe (INDN) asked for an explanation about the determination for someone to become a member of ORWG. Casey Cathey (SPP) stated that he and Jim Useldinger (KCPL) would discuss the membership diversity and bring proposed changes to the ORWG for more discussion. Jim Useldinger (KCPL) complimented Danny McDaniel on his service to the ORWG and wished him well.

John Stephens (SPRM) moved to approve the ORWG Charter as updated. Paul Lampe (INDN) seconded the motion. The motion passed unanimously.

Agenda Item 9 – Congestion Hedging Update

Ty Mitchell (SPP) discussed the information provided in the meeting material. Ty explained the differences between day ahead and TCR models, and Ron Gunderson (NPPD) noted the main difference between models is because the TCR model is comparing a single snap shot in time versus a day ahead multiple interval model. Ty continued to explain how damaging outage submissions and model topology is to TCR underfunding. He also stated that larger portions of uplift are paid by entities affected by the outages. Ty stated that the SPP TCR market does not consider seams related issues, but SPP now implemented market to market logic. Ty discussed the calendar timeline for outage submission requirements, and stated that the calendar timeline could be open for discussion and adjustments.

ACTION ITEM: Ty Mitchell (SPP) will continue the congestion hedging update discussion in June. Ty will also provide an example demonstrating the TCR processes.

Agenda Item 10 – RC-to-RC SASK Update

Brett Hooton (SPP) provided an update and reviewed the information provided in the meeting materials. Brett stated the IS integration will result in a new seam with SaskPower. Brett also stated the seam location is the international border between North Dakota and Saskatchewan, and the only interconnection between SPP and SaskPower. Brett stated SPP will have a neighboring RC on June 1, 2015, and neighboring TSPs, BAs and PCs on October 1, 2015. He also noted that SPP is still in negotiations on both the letter agreement and a future JOA, and doesn't expect it to be completed by June 1, 2015. Brett also mentioned that we will not have interregional order 1000 compliance requirements across the international border.

Agenda Item 11 – Rating Process Update

Tim Miller (SPP) provided an update which was provided in the meeting material. There will be a request in June; rating validation information will be emailed. Changes will be made after the validation, then compliance and engineers should see the same numbers for SPP and the member locations. Tim also discussed the new tool development and stated that OKGE was willing to test the new tool, but SPP is still looking for additional testers. Tim discussed submitting ratings through ICCP and mentioned a potential cost component related to the change.

Agenda Item 12 – Load Shed Crew Exercise feedback

Carl Stelly (SPP) provided information related to a SPP simulated load shed event exercise for TOP operators. Ron Gunderson (NPPD) believes it is good to drill on the load shed procedures. If he has trainees available, they could do it on their simulator and actually go through their steps. Carl asked for additional suggestions to be provided. In the next couple meetings, we may have a more defined process to discuss. Allen Klassen (WR) asked if it's for groups that don't have simulators, they could do some discussion and reply back that actions have been made (simulated through a process that they could do, tabletop, etc...) Greg McAuley (OKGE) asked if it would be unannounced at times, for better realistic simulations. Mike Wech (SPA) asked if there was a way they could participate. Carl Stelly (SPP) said they would discuss a way participation could take place. Mike would like the opportunity to work through the effects on the transmission overloads that may be in their area, since they are on a Seam.

Agenda Item 13 - ORWG Action Item Review

Jason Tanner displayed the Action Item list and provided an update.

Agenda Item 12 – Meeting Schedule

- a. 6/3-4/2015 Face-to-Face (Grand Island, Nebraska)
- b. 7/7/2015 WebEx (Tues) 0930-1200
- c. 8/6/2015 WebEx (Thurs) 0930-1200
- d. 9/2-3/2015 Face-to-Face (Little Rock)
- e. 10/8/2015 WebEx (Thurs) 0930-1200
- f. 11/5/2015 WebEx (Thurs) 0930-1200
- g. 12/3/2015 WebEx (Thurs) 0930-1200

Agenda Item 9 – Summary of Action Items

See Page 1 Action Item list.

Agenda Item 10 – Adjourn

Chairman Jim Useldinger (KCPL) Stated that ORWG appreciates the service and expertise provided by Danny McDaniel (CLECO). Jim also provided gratitude to Danny and stated, over the years Danny provided valuable contributions to ORWG and will be missed.

Chairman Jim Useldinger (KCPL) adjourned the ORWG at 12:04 PM.

Respectfully Submitted,

Casey Cathey
Secretary



Operating Reliability Working Group

Meeting Attendance: 5/07/2015

M=Member, G=Guest, S=SPP Staff, P= Proxy

	Name	Status	Company
1	Jim Useldinger, Chariman	M	Kansas City Power & Light
2	Allen Klassen, Vice-Chairman	M	Westar Energy
3	Allan George	M	Sunflower Electric Power
4	Darrel Yohnk	M	ITC Great Plains
5	Dennis Sauriol	M	American Electric Power
6	Greg McAuley	M	Oklahoma Gas & Electric
7	John Stephens	M	City Utilities of Springfield Missouri
8	Kyle McMenamin	M	Xcel Energy
9	Paul Lampe	M	City of Independence
10	Ron Gunderson	M	Nebraska Public Power District
11	Steve Haun	M	Lincoln Electric System
12	Walter (Todd) Gosnell	M	Omaha Public Power District
13	Brandon Levander	G	Nebraska Public Power District
14	Bryn Wilson	G	Oklahoma Gas & Electric
15	Craig Speidel	G	Western Area Power Administration
16	Dave Millam	G	Kansas City Power & Light
17	David Pham	G	Empire District
18	Don Hargrove	G	Oklahoma Gas & Electric
19	Jeff Wells	G	Grand River Dam Authority
20	Jim Jacoby - AEP	G	American Electric Power
21	JJ Guo	G	American Electric Power
22	John Allen	G	City Utilities of Springfield
23	Mark Ahlstrom	G	WindLogics Inc.
24	Mark Eastwood	G	City Utilities of Springfield Missouri
25	Neal Faltys	G	Omaha Public Power District
26	Oliver Monson	G	Southwestern Power Administration
27	Seth Cochran	G	DC Energy Midwest
28	Terry Gates - AEP	G	American Electric Power
29	Tom Mayhan	G	Omaha Public Power District
30	Casey Cathey, Staff Secretary	S	Southwest Power Pool
31	Brett Hooton	S	Southwest Power Pool
32	Carl Stelly	S	Southwest Power Pool RE
33	Erin Cathey	S	Southwest Power Pool
34	Jason Tanner	S	Southwest Power Pool
35	Jim Williams	S	Southwest Power Pool
36	Joe Byers	S	Southwest Power Pool
37	Kathy Myhand	S	Southwest Power Pool