



Southwest Power Pool, Inc.

**OPERATING RELIABILITY WORKING GROUP**

**Net Conference**

**Thursday November 2, 2017 8:30 AM – 12:00 PM (CDT)**

**• Action Items and Voting Record •**

1. **ACTION ITEM: Send RAS Survey to ORWG members.**

**Consent Agenda Items: October 04-05, 2017 ORWG Meeting Minutes.**

Gary Plummer (City of Independence, MO) moved to approve the consent agenda and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

**Constraint Manager/Auto-Activate FGs Business Plan:**

David Pham (Empire District Electric Company) moved to endorse the auto-activation constraint proposal that includes modifications. 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 •

**Administrative Items / Attendance / Agenda Review**

**Agenda Item 1 – Call to Order**

Chairman Allen Klassen (Westar Energy, Inc.) opened the meeting at 8:36AM on 11/02/2017.

**Agenda Item 2 – Attendance**

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

**Agenda Item 3 – Agenda Review**

Allen Klassen (Westar Energy, Inc.) reviewed the agenda.

**Consent Agenda**

Allen Klassen (Westar Energy, Inc.) discussed the consent agenda items, which included the October 04-05, 2017 ORWG Meeting Minutes.

**Gary Plummer (City of Independence, MO) moved to approve the consent agenda and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.**

**Liaison Reports**

Neil Robertson (Southwest Power Pool) discussed the OCRTF activities and stated the group is close to completing the draft revision requests. Neil asked ORWG if they would prefer to review the RR's in draft form or would they prefer the OCRTF to submit them as official RRs prior returning to ORWG. The ORWG stated they would prefer the RR's in draft form.

**Agenda Item 5 – Constraint Manager/Auto-Activate FGs Business Plan**

Terry Oxandale (Southwest Power Pool) explained the business case for auto-activated flowgates. Terry explained the impacts and stated that the vender and MOI impacts are minor. Terry explained the benefits of the proposal and stated that SPP would realize improved consistency in flowgate activation, and it would reduce the initial errors in effective limit values. Terry stated the process would also include an auto-deactivation at predetermined percentage of loading.

**David Pham (Empire District Electric Company) moved to endorse the auto-activation constraint proposal that includes modifications. Ron Gunderson (Nebraska Public Power District) seconded the motion. The motion carried without opposition or abstention.**

#### **Agenda Item 6 – RR250 Market Import Service**

Ken Quimby (Southwest Power Pool) explained that RR250 would need to return to a discussion item due to the ongoing debate within other working groups. Allen Klassen (Westar Energy, Inc.) agreed and returned RR250 to a discussion item. Ken explained RR250 and stated that the objective of the RR is to recognize Market Import Service (MIS) as a Tariff service, present all the information relating to reserving and scheduling of MIS in one location as a new Business Practice, and clarify the Market Protocols. Ken explained the proposed changes to the Market Protocols section 4.2.2.7 Import Interchange Transaction Offers, and to the SPP Tariff Schedule 13.

#### **Agenda Item 7 – SST Wrap Up.**

Cody Parker (Southwest Power Pool) explained the status of the Synchrophasor Strike Team, stated that the charter items are complete. Cody stated that the SPP PMU Communication Handbook and PMU Placement Approach Whitepaper are nearing completion. Allen Klassen (Westar Energy, Inc.) asked for a status of RR162, and Cody stated that ORWG approved the RR as the primary, and RCWG approved it with 17 votes, 1 opposition, and 4 abstentions. Cody stated the RR would go to RTWG next for approval then to MOPC. Cody explained the future needs from SPP and ORWG and provided a proposal to ensure reoccurring PMU topics on ORWG agendas. Cody stated that he is expecting that the SST would retire in December.

#### **Agenda Item 8 – Breaker Contingency Redefinition.**

Chad Hankins (Southwest Power Pool) provided an example of the validation efforts for redefinition. Chad explained that SPP has begun testing redefinition in lower environments, and provided an example for how SPP would study the system using redefinition. Chad showed the additional data requirements that would be required based on the number of elements within each scenario. Chris Shaffer (American Electric Power) asked if the tables are created automatically or manual and Chad stated they were created automatically.

#### **Agenda Item 9 – OU Effort Benchmarking.**

Chenxi Lin (Oklahoma University) discussed the Brightstart software and stated that it is an integrated software tool for power system restoration planning and operation support after partial or large-scale blackouts. Chenxi discussed the OU objective to automatically create detailed system restoration plans with updated information, and to support the current restoration practice with emphasis on aiding user compliance with the NERC standards. Chenxi stated that ISO-NE has used Brightstart for compliance and Casey Cathey (Southwest Power Pool) stated that SPP would like to create an annual process utilizing the Brightstart software.

#### **Agenda Item 10 – TWG/ORWG RAS follow up.**

Neil Robertson (Southwest Power Pool) explained the history regarding the RAS discussions between ORWG and TWG. Neil stated that in previous ORWG meetings the group expressed concerns regarding

the use of remedial action schemes. Neil stated that SPP is working to develop a survey to send to ORWG and TWG members, so we may use the information to develop governing language within a RR.

**ACTION ITEM: Send RAS Survey to ORWG members.**

**Agenda Item 11 – MWTG Education/Planning.**

Casey Cathey (Southwest Power Pool) provided ORWG with a MWTG Update. Casey stated that MWTG consisted of eight States: Wyoming, Montana, Nebraska, South Dakota, New Mexico, Colorado, Utah, and Arizona. Casey stated that MWTG contains around 6.4 million customers and 15,700 miles of transmission. Casey discussed the HVDC ties between the eastern and western interconnections, and discussed how the BA function would operate. Casey stated that the MWTG integration would utilize the SPP Revision Request Process. Casey stated that not all governing documents for MWTG integration are subject to RR process such as the Membership Agreements and Bylaws.

**Agenda Item 12 – ORWG Member Topics**

Jason Tanner (Southwest Power Pool) reminded ORWG members to submit topic for discussion.

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

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

**Agenda Item 15 – Q&A/Open Forum**

**Agenda Item 16 – Meeting Schedule**

- a. 11/2/2017 WebEx (Thurs) 0830-1200
- b. 12/7/2017 WebEx (Thurs) 0830-1200
- c. 1/3 – 1/4/2018 Face-to-Face (Denver, CO) (Xcel) – CONFIRMED
- d. 2/1/2018 WebEx (Thurs) 0830-1200
- e. 3/1/2018 WebEx (Thurs) 0830-1200
- f. 4/4 – 4/5/2018 Face-to-Face (Tulsa, Oklahoma) (GRDA) – CONFIRMED
- g. 5/3/2018 WebEx (Thurs) 0830-1200
- h. 6/7/2018 WebEx (Thurs) 0830-1200
- i. 7/11 – 7/12/2018 Face-to-Face (Denver, CO) (Tri State) – CONFIRMED
- j. 8/2/2018 WebEx (Thurs) 0830-1200
- k. 9/6/2018 WebEx (Thurs) 0830-1200
- l. 10/3 – 10/4/2018 Face-to-Face (Little Rock, AR) (SPP) – CONFIRMED
- m. 11/1/2018 WebEx (Thurs) 0830-1200
- n. 12/6/2018 WebEx (Thurs) 0830-1200

**Agenda Item 17 – Adjourn**

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 12:02 PM (EDT) on 11/02/2017

Respectfully Submitted,  
Jason Tanner, Secretary



**Operating Reliability Working Group**  
**Meeting Attendance: 11/2/2017**  
**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
x	5 Kyle McMenamain	M	Xcel Energy
a	6 Laurie Gregg	M	Lincoln Electric System
x	7 Allan George	M	Sunflower Electric Power Corporation
p	8 Jeff Wells	M	Grand River Dam Authority
a	9 Todd Gosnell	M	Omaha Public Power District
x	10 Bryn Wilson	M	Oklahoma Gas and Electric Co.
x	11 Chris Shaffer	M	American Electric Power
x	12 David Pham	M	Empire District Electric Company
x	13 Matthew Stoltz	M	Basin Electric Power Cooperative
x	14 Chance Myers	M	Western Farmers Electric Cooperative
x	15 Craig Speidel	M	Western Area Power Administration
x	16 Abu Elteriefi	M	ITC Holdings
x	17 Jay Patel	M	Kansas City Power & Light
x	18 Mark Eastwood	M	City Utilities of Springfield
x	19 Keith Carman	M	Tri-State G&T
x	20 Andrew Ridley	P	Proxy for Jeff Wells
x	21 Carrie Dixon	G	Xcel Energy
x	22 Tanner New	G	Sunflower Electric Power Corporation
x	23 Sing Tay	G	Oklahoma Gas and Electric Co.
x	24 Chenxi Lin	G	Oklahoma University
x	25 Garrick Nelson	G	Western Area Power Administration
x	26 Puneet Pasrich	G	Buckyball Systems
x	27 Andrew Ridley	G	Grand River Dam Authority
x	28 John Allen	G	City Utilities of Springfield
x	29 JJ Guo	G	American Electric Power
x	30 Ryan Kirk	G	American Electric Power
x	31 Mike Anderson	G	American Electric Power
x	32 Steve Gaw	G	The Wind Coalition
x	33 John Hare	G	Oklahoma Gas and Electric Co.
x	34 Kevin Ma	G	Oklahoma Gas and Electric Co.
x	35 Casey Cathey	S	Southwest Power Pool
x	36 Jason Tanner, Secretary	S	Southwest Power Pool
x	37 Neil Robertson	S	Southwest Power Pool
x	38 Cody Parker	S	Southwest Power Pool
x	39 Chad Hankins	S	Southwest Power Pool
x	40 Garrett Crowson	S	Southwest Power Pool
x	41 Terry Oxandale	S	Southwest Power Pool
x	42 Kirk Hall	S	Southwest Power Pool
x	43 Margaret Q. Adams	S	Southwest Power Pool
x	44 Derek Hawkins	S	Southwest Power Pool
x	45 Kathryn Dial	S	Southwest Power Pool

x	46	Derek Hawkins	S	Southwest Power Pool
x	47	Tamika Barker	S	Southwest Power Pool
x	48	Temper Williams	S	Southwest Power Pool