

Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP

Net Conference
August 4, 2016 8:30 - 12:00 PM

• Action Items and Voting Record •

1. Create a Long Term Goal to research creating a database to short-term rating, including the rating time.

Consent Agenda Items: July 7th, 2016 ORWG Meeting Minutes, and RR123 – Modification to Business Practice 2050.

Ron Gunderson (Nebraska Public Power District) moved to approve the consent agenda and Steve Haun (Lincoln Electric System) seconded the motion. The motion was approved without opposition or abstention.

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• M I N U T E S •

Administrative Items / Attendance / Agenda Review

Chairman Allen Klassen (Westar Energy, Inc.) opened the meeting at 8:34AM on 8/04/2016. Jason Tanner (Southwest Power Pool) called attendance. Allen Klassen and Casey Cathey reviewed the agenda, and noted the items that would require action. Casey removed RR171 from the consent agenda due to BPWG not taking action on the revision request.

Consent Agenda

Casey Cathey (Southwest Power Pool) discussed the consent agenda items, which included the July 7th, 2016 ORWG Meeting Minutes, and RR123 – Modification to Business Practice 2050.

Ron Gunderson (Nebraska Public Power District) moved to approve the consent agenda and Steve Haun (Lincoln Electric System) seconded the motion. The motion was approved without opposition or abstention.

Liaison Reports

Agenda Item 5 Voltage Task Force Update

Jason Tanner (Southwest Power Pool) provided an update to the activities occurring at the Voltage Task Force. Jason stated that the VTF held a face to face meeting in Kansas City on 7/27/2016 and 7/28/2016, and held discussion about the NERC drafting team efforts over Voltage Limits and SOLs. Jason stated that PowerTech Labs provided updates to the 2017 VIS, and held discussions over the Transient Stability analysis that SPP will perform. Jason stated that the VTF is interested in scoping the 2018 VIS to include the TPITF Chronic Operational Issues, but will need other working groups such as TWG to determine the definition of Chronic Operational Issues before proceeding. Jason stated that the VTF discussed the online VSAT timeline for implementation and is working toward comparing neighboring RTO and ISO voltage criteria against SPPs. Once the comparison is complete the VTF will work toward creating a new section in criteria for voltage and stability. Jason stated that VTF was also updated on the completed efforts to improve voltage calculations within state estimator. Jason notified ORWG that the next VTF meeting will occur on 8/30/2016.

Agenda Item 6 Operating Criteria Review Task Force (OCRTF) Update

Neil Robertson (Southwest Power Pool) provided an update and stated that the OCRTF is currently scheduling meetings with the individual review teams. Neil stated that the OCRTF should have updates for the ORWG at a future meeting after the individual review team meetings occur.

Agenda Item 7 RR168 – Short Term Emergency Rating

Derek Hawkins (Southwest Power Pool) presented RR168 Short Term Emergency Rating and discussed the comments. Casey Cathey (Southwest Power Pool) provided an example and stated a Resource tripped and exposed a post contingent limitation, but the monitored element only had an 8 hour rating. The SPP operators didn’t know the timing of the rating and believed they only had 30 minutes to mitigate the overload. Casey stated that the operators committed additional Resources to support the flowgate limitation, but if the operator knew they were controlling an 8 hour rating opposed to a 30 minute rating then different Resources with longer lead time likely would have been committed. Casey stated this scenario is an example where having consistent ratings will benefit the operator and improve reliability of the system. The ORWG elected to continue discussions at the face to face meeting.

Action Item: Create a Long Term Goal to research creating a database to short-term rating, including the rating time.

Agenda Item 8 – 2017 ORWG Meeting Schedule Planning.

Jason Tanner (Southwest Power Pool) discussed the status of the 2017 ORWG meeting schedule, and made adjustments. The group agreed to the follow schedule.

ORWG	1/4-1/5, 2017	Face to Face	Denver
ORWG	2/2/2017	Net Conference	
ORWG	3/1-3/2, 2017	Face to Face	Little Rock
ORWG	4/4/2017	Net Conference	
ORWG	5/4/2017	Net Conference	
ORWG	6/1/2017	Net Conference	
ORWG	6/28-6/29, 2017	Face to Face	Omaha
ORWG	8/3/2017	Net Conference	
ORWG	9/7/2017	Net Conference	
ORWG	10/4-10/5/2017	Face to Face	Peak RC Loveland, CO
ORWG	11/2/2017	Net Conference	
ORWG	12/7/2017	Net Conference	

Agenda Item 9 – Multi-Unit Gas Plant Contingencies.

Neil Robertson (Southwest Power Pool) discussed the MOPC action item for assessment of multiple unit contingencies to determine if additional scenarios exist. Neil stated that SPP recently experienced an event that involved multiple units tripping offline due to a single point of failure. Neil asked the ORWG if we need to look into assessing our operating criteria methodology. Abu Elteriefi (ITC Holdings) asked if certain times of the year are more at risk than others. Neil stated that the units tend to operate in the same configuration for the majority of the year, but the winter months would likely be more at risk due to gas pipeline curtailments. The group believes that the ORWG needs to keep an eye on this topic, and Allen Klassen (Westar Energy) stated that he would propose no criteria methodology changes, and Allan George (Sunflower Electric Power Corporation) seconded Allen’s proposal. No vote was taken but the group agreed with Allen Klassen’s proposal of no change to criteria.

Agenda Item 10 – Reporting Switching Equipment Outages.

Neil Robertson (Southwest Power Pool) discussed the switching equipment being reported to SPP, and stated that in RR95 we left it to the TOPs to determine what switching equipment should be submitted. Neil provided an example and stated that we had a 345kV ring bus breaker that was not submitted, and was discovered in real-time. Neil stated that this type of outage should be a qualifying outage to be reported to SPP, and that he would be circling back with TOPs to begin working to determine what equipment should be considered as valid equipment to submit to SPP.

Agenda Item 11 – EOP Standards Update.

Jon Langford (Southwest Power Pool) presented EOP-011-1 and stated that the standard would be going into effect on April 1st, 2017, and EOP-011-1 will consolidate the requirements from three standards EOP-001-2.1b, EOP-002-3.1, and EOP-003-2. Jon stated that on February 1st, 2017 TOPs will need to submit to SPP the most recent emergency operations plans for review, and March 15th will be the deadline for SPP to notify TOP of the results reviewed. Jon stated that any issues identified will be coordinated with TOPs for resubmittal before April 1st, 2017.

Agenda Item 12 – Update to RC Restoration Plan.

Jon Langford (Southwest Power Pool) discussed the updates to the RC Restoration Plan, and Jon stated that in section 8 of the RC Restoration Plan additional language was added to clarify communications between the Balancing Authority and the Transmission Operators. Jon stated that Transmission Operators will not transfer operations and authority back to SPP until instructed to by the SPP Balancing Authority. Jon stated that before any transitions occur that the SPP the Balancing Authority will initiate a call with all Transmission Operators included in the Balancing Authority to coordinate the transition of operations and authority back to the Balancing Authority.

Agenda Item 13 – Updating SPP Data Specification for IRO-010-2 and TOP-003-3.

Neil Robertson (Southwest Power Pool) discussed the SPP Data Specification for IRO-010-2 and TOP-003-3 that will go into effect January 1st, 2017. Neil stated that compliance recommended that OP1 be removed from criteria, and recommended that the document be converted from high level language to evolve into specific detailed requirements. Neil stated that he would be returning to ORWG at the September face to face meeting to present a draft document for review to address IRO-010-2 and TOP-003-3.

OTHER ITEMS:

Agenda Item 14 – High Frequency PJM Event.

Casey Cathey (Southwest Power Pool) discussed the high frequency event that occurred on the PJM system, and stated we observed a frequency of 60.06Hz and this was due to, in part, PJM's demand response activation in conjunction with deployed Resources. Casey stated that the demand response was responding to price and it basically overshot the forecast, which caused an over generation event that created a spike in frequency.

Agenda Item 15 – Meeting Schedule

- a. 8/4/2016 WebEx (Thurs) 0830-1200
- b. 8/31-9/1/2016 Face-to-Face (Little Rock, Arkansas) - CONFIRMED
- c. 10/6/2016 WebEx (Thurs) 0830-1200
- d. 11/1/2016 WebEx (Thurs) 0830-1200
- e. 12/1/2016 WebEx (Thurs) 0830-1200
- f. 1/4–1/5/2017 Face-to-Face (Denver, CO) (Xcel Offices) – TENTATIVE
- g. 2/2/2017 WebEx (Thurs) 0830-1200
- h. 3/1-3/2/2017 Face-to-Face (Little Rock, Arkansas) – TENTATIVE
- i. 4/4/2017 WebEx (Tues) 0830-1200
- j. 5/4/2017 WebEx (Thurs) 0830-1200
- k. 6/1/2017 WebEx (Thurs) 0830-1200
- l. 6/28 – 6/29/2017 Face-to-Face (Omaha, Neb) – TENTATIVE
- m. 8/3/2017 WebEx (Thurs) 0830-1200
- n. 9/7/2017 WebEx (Thurs) 0830-1200
- o. 10/4 – 10/5/2017 Face-to-Face (Loveland, CO) (Peak RC) – TENTATIVE
- p. 11/2/2017 WebEx (Thurs) 0830-1200
- q. 12/7/2017 WebEx (Thurs) 0830-1200

Agenda Item 16 – Summary of Action Items

See Page 1 Action Item list.

Agenda Item 17 – Adjourn

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 11:57 PM (CST).

Respectfully Submitted,

Casey Cathey
Secretary

		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
P	4	Paul Lampe	M	City of Independence, MO
x	5	Kyle McMenamain	M	Xcel Energy
x	6	Steve Haun	M	Lincoln Electric System
P	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
P	10	Todd Gosnell	M	Omaha Public Power District
P	11	Bryn Wilson	M	Oklahoma Gas and Electric Co.
x	12	Dennis Sauriol	M	American Electric Power
x	13	David Pham	M	Empire District Electric Company
x	14	Matthew Stoltz	M	Basin Electric Power Cooperative
x	15	Chance Myers	M	Western Farmers Electric Cooperative
x	16	Craig Speidel	M	Western Area Power Administration
x	17	Abu Elteriefi	M	ITC Holdings
P	18	Jay Patel	M	Kansas City Power & Light
x	26	Neal Faltys	P	Proxy for Todd Gosnell
x	24	Kevin Ma	P	Proxy for Bryn Wilson
x	22	Denney Fales	P	Proxy for Jay Patel
x	23	Gary Plummer	P	Proxy for Paul Lampe
x	19	Jim Krajecki	G	Customized Energy Solutions
x	20	Chris Giles	G	Tri-County Electric Cooperative
x	21	Tanner New	G	Sunflower Electric Power Corporation
x	25	Jeff Knottek	G	City Utilities of Springfield
x	27	Mick Kirwan	G	Western Area Power Administration
x	25	Mike Grimes	G	EDP Renewables
x	23	Ron Thompson	G	Nebraska Public Power District
x	24	John Boshears	G	City Utilities of Springfield
x	20	Marty Paulk	G	Cleco
x	21	Robert Hirschak	G	Cleco
x	22	David Binkley	G	ITC Holdings
x	26	Harold Wyble	G	Kansas City Power & Light
x	28	Jessi Tucker	G	Kansas City Power & Light
x	26	Adam	G	Oklahoma Gas and Electric Co.
x	24	Phil Cox	G	American Electric Power
x	25	Jason Mazigian	G	Basin Electric Power Cooperative
x	21	Ben Hammer	G	Western Area Power Administration
x	22	Seth Bury	G	Western Area Power Administration
x	23	Darryl Boggess	G	Western Farmers Electric Cooperative
x	27	Jamie Hajek	G	NorthWestern Energy
x	29	Dave Millam	G	Kansas City Power & Light
x	27	John Allen	G	City Utilities of Springfield
x	25	Mark Robinson	G	Southwestern Power Administration
x	26	Sing Tay	G	Oklahoma Gas & Electric
x	22	Terry Gates	G	American Electric Power
x	23	Steve Gaw	G	The Wind Coalition
x	24	Tom Mayhan	G	Omaha Public Power District
x	28	Casey Cathey	S	Southwest Power Pool
x	30	Will Tootle	S	Southwest Power Pool
x	28	Derek Hawkins	S	Southwest Power Pool
x	26	Jason Tanner	S	Southwest Power Pool
x	27	Neil Robertson	S	Southwest Power Pool
x	23	Patrick deLassus	S	Southwest Power Pool
x	24	Ken Quimby	S	Southwest Power Pool
x	25	Margaret Q. Adams	S	Southwest Power Pool
x	29	Kevin Sanson	S	Southwest Power Pool
x	31	Jon Langford	S	Southwest Power Pool
x	29	Thomas Teafatiller	S	Southwest Power Pool RE