



Southwest Power Pool, Inc.

OPERATING RELIABILITY WORKING GROUP

Net Conference

Thursday June 1st 2017 8:30 AM – 12:00 PM (CDT)

• Action Items and Voting Record •

1. Align the VAR standard to the status of generator voltage regulation equipment requirement.

Consent Agenda items: May 03-04, 2017 ORWG Meeting Minutes, May 10, 2017 ORWG Meeting Minutes, RR229 Order No. 831 Compliance (Offer Caps), TPITF changes to ITP Manual for Operational Model Development, and TWG Annual Flowgate Assessment.

Todd Gosnell (Omaha Public Power District) moved to approve the consent agenda and Dennis Sauriol (American Electric Power) seconded the motion. The motion carried without opposition or abstention.

RR Process Changes:

Ron Gunderson (Nebraska Public Power District) moved to approve the RR Process Changes, and Craig Speidel (Western Area Power Administration) 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 8:32AM on 6/01/2017.

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 May 03-04, 2017 ORWG Meeting Minutes, May 10, 2017 ORWG Meeting Minutes, RR229 Order No. 831 Compliance (Offer Caps), TPITF changes to ITP Manual for Operational Model Development, and TWG Annual Flowgate Assessment.

Todd Gosnell (Omaha Public Power District) moved to approve the consent agenda and Dennis Sauriol (American Electric Power) seconded the motion. The motion carried without opposition or abstention.

Liaison Reports

- a. Allen Klassen (Westar Energy, Inc.) welcomed Mark Eastwood as the newest voting member of ORWG.
- b. Erin Cathey (Southwest Power Pool) stated that RR185 Clarify SPP Operating Criteria is being withdrawn, and a larger revision request will be submitted that contains the changes approved within RR185.

Agenda Item 6 – 2017 Deliverability Study Scope.

Chris Haley (Southwest Power Pool) explained the 2017 Deliverability Study Scope and stated that the document is slated for approval at the SAWG in July. Ron Gunderson (Nebraska Public Power District) stated that he is concerned about how resources are dispatched within load pockets. Chris stated he has captured recommendations from both the TWG and ORWG, and commented that an endorsement of the recommendations from the ORWG will be requested at the July ORWG meeting.

Agenda Item 7 – NERC Reliability Standard Activities Update.

Shannon Mickens (Southwest Power Pool) discussed the recent NERC activities and provided updates for TPL-001-5, pseudo – tie coordination, dynamic tag exclusion, and project 2016-03. Shannon explained that the Operating Committee approved guidelines for inadvertent interchange, integrating reporting ACE with NERC Reliability Standards, and event analysis process. Shannon also reviewed the upcoming guidelines situational awareness for the system operator, operating reserve management, ACE diversity interchange, guideline for approving Regional and Reliability Coordinator reliability plans, generating unit winter weather readiness, consideration of application of real power energy storage, loss of real-time reliability tools capability/loss of equipment significantly affecting ICCP data, generating unit operations during complete loss of communications, and event analysis process. Shannon stated that he would provide additional updates at the next ORWG meeting.

Agenda Item 8 – SPP Data Specification Enhancements.

Bryn Wilson (Oklahoma Gas and Electric Co.) and Neil Robertson (Southwest Power Pool) discussed the comments submitted within the Data Specification document. Neil discussed the status of generator voltage regulation equipment, and asked the group if the requirement should be applicable to non-BES generation. The group suggested to align the VAR standard to the status of generator voltage regulation equipment requirement. Neil discussed the deadline requirement comments in the MVA Capability Normal section of the document, and stated that we will bring redlines back to ORWG for the scenario when less than 10 elements are submitted. Neil also discussed the changes to the SPP RC and BA requirement outage scheduling information section, and stated that the change aligns with IRO-010 and TOP-003. Neil suggested removing TOP-001 R9 from the data specification document, and Ron Gunderson (Nebraska Public Power District) expressed a concern about removing the language due to the ongoing debate with MRO.

Action Item: Align the VAR standard to the status of generator voltage regulation equipment requirement.

Agenda Item 9 – MOD-033-1.

Anthony Cook (Southwest Power Pool) provided ORWG with a process overview of MOD-033-1 and stated that the purpose of the standard is to establish consistent validation requirements to facilitate the collection of accurate data and building of planning models to analyze the reliability of the interconnected transmission system. Anthony explained the roles of the TOP and RC and stated that the RC and TOP will be required to provide actual system behavior data to the Planning Coordinator performing validation under Requirement R1 within 30 calendar days of a written request. Anthony also provided the guidelines and criteria for system events, and stated that SPP is in the process of modifying the planning model to match the conditions represented in an EMS case.

Agenda Item 10 – ITP Manual Operational Enhancement.

Will Tootle (Southwest Power Pool) discussed the persistent operational portfolio development language and stated that once solutions mitigating persistent operational needs are identified, they will be ranked by their cost-effectiveness or reliability effectiveness depending on if the need is economic or reliability based respectively. Will stated persistent operational issue projects will be compared with other portfolios to minimize the amount of projects and still system needs. Will stated that Reliability projects will be selected using the cost per loading relief and cost per voltage relief metric concept, and economic projects will be ranked based on their project cost compared to the cost that was incurred

without the project. Will stated that he plans to discuss the language at the ITP Manual Task Force on June 2nd, 2017, and will return to ORWG with any language adjustments.

Agenda Item 11 – RR Process Changes.

Aaron Shipley (Southwest Power Pool) explained the changes to the revision request process document. Aaron stated that this version of the document added the PCWG as a primary working group. Aaron also discussed the documents that would become effective once approved by the primary working group. Aaron stated that the Minimum Transmission Design Standards for Competitive Upgrades, Revision Request Process, and ITP Manual were also added to the list of documents in the revision request document. Ron Gunderson (Nebraska Public Power District) raised concerns about documents being effective once approved by the primary working group, and Allen Klassen (Westar Energy, Inc.) stated that we could set an effective date in the future.

Ron Gunderson (Nebraska Public Power District) moved to approve the RR Process Changes, and Craig Speidel (Western Area Power Administration) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 12 – RR228 SPP SOL Methodology.

Neil Robertson (Southwest Power Pool) explained the history of the revision request, and discussed the language considered confusion to MRO. Ron Gunderson (Nebraska Public Power District) stated that his concern is that not all ratings are SOLs as MRO suggest. Neil proposed additional language and the group worked to make language edits to the document. The ORWG elected to postpone the vote until Wednesday June 7, 2017 where an e-mail vote will be held. Jason Tanner (Southwest Power Pool) stated that he would send the ORWG modified version to the ORWG exploder and ask for comments to be submitted by the close of business June 6, 2017.

Agenda Items 13 – Q&A/Open Forum

Agenda Item 14 – Meeting Schedule

- a. 6/28 – 6/29/2017 Face-to-Face (Dallas, TX AEP Offices) – CONFIRMED
- b. 8/3/2017 WebEx (Thurs) 0830-1200
- c. 9/7/2017 WebEx (Thurs) 0830-1200
- d. 10/04-05/2017 Face-to-Face (Detroit, MI) (ITC) - CONFIRMED
- e. 11/2/2017 WebEx (Thurs) 0830-1200
- f. 12/7/2017 WebEx (Thurs) 0830-1200
- g. 1/3 – 1/4/2018 Face-to-Face (Denver, CO) (Xcel) – TENTATIVE
- h. 2/1/2018 WebEx (Thurs) 0830-1200
- i. 3/1/2018 WebEx (Thurs) 0830-1200
- j. 4/4 – 4/5/2018 Face-to-Face (Tulsa, Oklahoma) (GRDA) – TENTATIVE
- k. 5/3/2018 WebEx (Thurs) 0830-1200
- l. 6/7/2018 WebEx (Thurs) 0830-1200
- m. 7/11 – 7/12/2018 Face-to-Face (Denver, CO) (Tri State) – TENTATIVE
- n. 8/2/2018 WebEx (Thurs) 0830-1200



- o. 9/6/2018 WebEx (Thurs) 0830-1200
- p. 10/3 – 10/4/2018 Face-to-Face (Little Rock, AR) (SPP) – TENTATIVE
- q. 11/1/2018 WebEx (Thurs) 0830-1200
- r. 12/6/2018 WebEx (Thurs) 0830-1200

Agenda Item 15 – Adjourn

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 12:19 PM (CDT) on 6/01/2017

Respectfully Submitted,

Jason Tanner
Secretary



Operating Reliability Working Group
Meeting Attendance: 6/01/2017
M=Member, G=Guest, S=SPP Staff, P= Proxy



	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
a	4 Gary Plummer	M	City of Independence, MO
x	5 Kyle McMenemy	M	Xcel Energy
x	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
x	9 Todd Gosnell	M	Omaha Public Power District
x	10 Bryn Wilson	M	Oklahoma Gas and Electric Co.
a	11 Dennis Sauriol	M	American Electric Power
a	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 Carmen	M	Tri-State G&T
x	20 Andrew Ridley	p	Proxy for Jeff Wells
x	21 Tanner New	G	Sunflower Electric Power Corporation
x	22 Chris Lyons	G	Customized Energy Solutions
x	23 Tom Mayhan	G	Omaha Public Power District
x	24 John Stephens	G	City Utilities of Springfield
x	25 Terry Gates	G	American Electric Power
x	26 Mick Kirwan	G	Western Area Power Administration
x	27 Jamie Hajek	G	NorthWestern Energy
x	28 Steve Gaw	G	The Wind Coalition
x	29 Brad Johnston	G	Arkansas Electric Cooperative Corporation
x	30 Ron Thompson	G	Nebraska Public Power District
x	31 John Allen	G	City Utilities of Springfield
x	32 Keeth Works	G	Southwestern Power Administration
x	33 Jason Mazigian	G	Basin Electric Power Cooperative
x	34 Jason Tanner	S	Southwest Power Pool
x	35 Neil Robertson	S	Southwest Power Pool
x	36 Casey Cathey	S	Southwest Power Pool
x	37 Kim Gorter	S	Southwest Power Pool
x	38 Aaron Shipley	S	Southwest Power Pool
x	39 Charles Hendrix	S	Southwest Power Pool
x	40 Anthony Cook	S	Southwest Power Pool
x	41 Chris Cranford	S	Southwest Power Pool
x	42 Alex Crawford	S	Southwest Power Pool
x	43 Melanie Hill	S	Southwest Power Pool