



Southwest Power Pool, Inc.

OPERATING RELIABILITY WORKING GROUP

Net Conference

Thursday September 7, 2017 8:30 AM – 12:00 PM (CDT)

• Action Items and Voting Record •

1. Action Item: Create a small team that will investigate the CIP-012 real-time monitoring concerns.
2. Action Item: Work with GIS to address the cost allocation within RR162 prior to filling RR162.

Consent Agenda items: August 03, 2017 Meeting Minutes.

Ron Gunderson (Nebraska Public Power District) moved to approve the August 03, 2017 Meeting Minutes as amended and Keith Carman (Tri-State G&T) seconded the motion. The motion carried without opposition or abstention.

Expedite RR240 Operating Criteria 7:

Jeff Wells (Grand River Dam Authority) moved to expedite RR240, and Abu Elteriefi (ITC Holdings) seconded the motion. The motion carried without opposition or abstention.

RR240 Operating Criteria 7:

Ron Gunderson (Nebraska Public Power District) moved to approve the amended version of RR240, and Bryn Wilson (Oklahoma Gas and Electric Co.) seconded the motion. The motion carried without opposition or abstention.

VRL Analysis

Jeff Wells (Grand River Dam Authority) moved to approve the recommended VRL Analysis results that require no changes, and Gary Plummer (City of Independence, MO) 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 8:30AM on 9/07/2017.

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.

Agenda Item 4 – ORWG Chairman and Vice Chairman Expiring Terms

Jason Tanner (Southwest Power Pool) explained the process for expiring Chairman terms, and stated that he would solicit nominations for the seat and an ORWG recommendation including all nominations would be sent to the CGC. Jason stated that at the October face-to-face meeting ORWG would review the nominations and take a vote. Jason also explained that the Vice Chairman seat is elected by the ORWG and he would be solicited nominations for that seat. Jason stated that the bylaws do not limit the number of consecutive terms an individual could hold the Chairman or Vice Chairman seat however; a term is only good for 2 years.

Consent Agenda

Allen Klassen (Westar Energy, Inc.) discussed the consent agenda items, which included the August 03, 2017 ORWG Meeting Minutes.

Ron Gunderson (Nebraska Public Power District) provided grammar corrections to the minutes and the group accepted the changes.

Ron Gunderson (Nebraska Public Power District) moved to approve the August 03, 2017 Meeting Minutes as amended and Keith Carman (Tri-State G&T) seconded the motion. The motion carried without opposition or abstention.

Liaison Reports

- a. Neil Robertson (Southwest Power Pool) provided an update for the OCRTF activities. Neil explained that the OCRTF is recommending the Operating Criteria continue to exist. Neil stated the next OCRTF meeting would occur on October 9, 2017. Allen Klassen (Westar Energy, Inc.) asked if additional RRs are expected and Neil explained the OCRTF is expecting two additional

RRs to be submitted by the group. Terry Gates (American Electric Power) asked about the timeline and effective date for the data specification, and Neil explained that the data specification document is not tied to a specific date.

- b. Neil Robertson (Southwest Power Pool) discussed the FAC-008 standard and explained that SPP will be requesting information regarding facility ratings. Neil stated SPP is currently researching dynamic line ratings for integration into real-time operations. Allen Klassen (Westar Energy, Inc.) asked whom would SPP send the request to, and Neil stated that the request would go to the TOPs and TOs.

Agenda Items 6 – RR240 Operating Criteria 7

Neil Robertson (Southwest Power Pool) explained the timing requirements for submitting a revision request and stated that the RR240 comment period is still ongoing. Neil stated that in order to take action on RR240 the ORWG would first need an expedited vote on RR240.

Jeff Wells (Grand River Dam Authority) moved to expedite RR240, and Abu Elteriefi (ITC Holdings) seconded the motion. The motion carried without opposition or abstention.

Neil Robertson (Southwest Power Pool) explained the changes to BAL-002-2 and reviewed the measures. Neil stated that based on the new standard requirements that consideration should be given to making a standalone document for performing the annual review requirements documented in BAL-002-2. Casey Cathey (Southwest Power Pool) explained that keeping the document in criteria creates risk due to nature of the RR process. Casey explained that following the RR process we would need to begin the annual review each July to make it through the primary and secondary working groups. Casey stated that by having a standalone document ORWG could manage the document and satisfy BAL-002-2 without risk of non-compliance. Neil explained the redline changes to section 3.4 Reserve Sharing Group the additional paragraph and stated that he struck section 7. Matt Harward (Southwest Power Pool) explained that having the additional paragraph language would not require Tariff or protocol changes. The ORWG adjusted the document and added the NERC MSSC definition to the document.

Ron Gunderson (Nebraska Public Power District) moved to approve the amended version of RR240, and Bryn Wilson (Oklahoma Gas and Electric Co.) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 7 – VRL Analysis.

Ricky Finkbeiner (Southwest Power Pool) discussed the 2017 VRL analysis and stated that a review is needed due to the Integrated Marketplace Protocols and SPP Tariff annual requirement. Ricky reviewed the changes from the 2016 VRL Analysis, which approved a recommendation to become effective on 3/6/17 that increased the first VRL block to start at \$750. Ricky explained the data that showed the number of avoided breached intervals, and explained that 25% of the breached instances were avoided with the new VRL blocks. Ricky provided calculation details and explained the comparison between the four sensitivity methods used. Ricky explained the tradeoff between reliability and cost using the Base, Old Curve, kV, and Ratchet Method. Ricky explained that SPP does not recommend making changes to the VRL block for operational constraints.

Jeff Wells (Grand River Dam Authority) moved to approve the recommended VRL Analysis results that require no changes, and Gary Plummer (City of Independence, MO) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 8 – Awareness Language for DERs in the SPP restoration plan.

This item was tabled for a future ORWG meeting.

Agenda Item 9 – PMU Plan Update.

This item was tabled for a future ORWG meeting.

Agenda Item 10 – RR162 PMU for New Generator Interconnection.

Cody Parker (Southwest Power Pool) explained the RCWG comments to RR162 in section 4.1.1.5 Synchrophasor Data Communication System. Cody stated that the RR is designed to explain how SPP use PMU data, and how SPP would satisfy any necessary CIP concerns. The ORWG held discussion over the suggested changes and made adjustments to the RCWG redline comments, which struck the operational planning analysis, real-time assessment, and/or real-time monitoring while being transmitted between control centers language. The group decided to bring up the original document without language modifications and Ron Gunderson (Nebraska Public Power District) moved to accept the RCWG comments to RR162. However, no ORWG member seconded the motion and the motion died. The ORWG decided to assign two actions one to create a small team that will investigate the CIP-012 real-time monitoring concerns and the second to work with GIS to address the cost allocation within RR162.

Action Item: Create a small team that will investigate the CIP-012 real-time monitoring concerns.

Action Item: Work with GIS to address the cost allocation within RR162 prior to filling RR162.

Agenda Item 11 – Generation Retirement Process Update.

This item was tabled for a future ORWG meeting.

Agenda Item 12 – Follow up to TWG/ORWG RAS.

This item was tabled for a future ORWG meeting.

Agenda Item 13 – Operations Planning Analysis for Next Day

This item was tabled for a future ORWG meeting.

Agenda Item 14 – NERC Reliability Standard Activities Update.

This item was tabled for a future ORWG meeting.

Agenda Items 15 – ORWG Member Topics

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

Agenda Items 16/17 – Action Item Review

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

Agenda Items 18 – Q&A/Open Forum

Agenda Item 19 – Meeting Schedule

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

Agenda Item 20 – Adjourn

Chairman Allen Klassen (Westar Energy, Inc.) adjourned the ORWG at 12:16 PM (CDT) on 9/07/2017

Respectfully Submitted,
Jason Tanner, Secretary



Operating Reliability Working Group
Meeting Attendance: 9/7/2017
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
a	3 Jim Useldinger	M	South Central MCN
x	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
x	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
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
a	19 Keith Carman	M	Tri-State G&T
x	21 Brittany Gray	P	Proxy for Kyle McMenemy
x	22 Ben Hammer	G	Western Area Power Administration
x	20 Tanner New	G	Sunflower Electric Power Corporation
x	23 Gayle Nansel	G	Western Area Power Administration
x	24 Baryaley	G	Western Area Power Administration
x	25 Mick Kirwan	G	Western Area Power Administration
x	26 Rob Witham	G	Western Area Power Administration
x	27 Robert Hirschak	G	Cleco
x	28 Chris Lyons	G	Customized Energy Solutions
x	29 Tom Mayhan	G	Omaha Public Power District
x	30 Jeff Knottek	G	City Utilities of Springfield
x	31 Terry Gates	G	American Electric Power
x	32 Jamie Hajek	G	NorthWestern Energy
x	33 Steve Gaw	G	The Wind Coalition
x	34 Brad Johnston	G	Arkansas Electric Cooperative Corporation
x	35 Jim Krajecki	G	Customized Energy Solutions
x	36 Chris Shaffer	G	American Electric Power
x	37 Louis Guidry	G	Cleco
x	38 Don Hargrove	G	Oklahoma Gas and Electric Co.
x	39 Sing Tay	G	Oklahoma Gas and Electric Co.
x	40 John Hare	G	Oklahoma Gas and Electric Co.
x	41 Kevin Ma	G	Oklahoma Gas and Electric Co.
x	42 John Allen	G	City Utilities of Springfield
x	43 Keith Works	G	Southwestern Power Administration
x	44 Jason Mazigian	G	Basin Electric Power Cooperative
x	45 Casey Cathey	S	Southwest Power Pool
x	46 Jason Tanner, Secretary	S	Southwest Power Pool
x	47 Neil Robertson	S	Southwest Power Pool
x	48 Cody Parker	S	Southwest Power Pool
x	49 Jon Langford	S	Southwest Power Pool
x	50 Garrett Crowson	S	Southwest Power Pool
x	51 Terry Oxandale	S	Southwest Power Pool
x	52 Will Tootle	S	Southwest Power Pool
x	53 Shannon Mickens	S	Southwest Power Pool
x	54 Derek Hawkins	S	Southwest Power Pool
x	55 Kristen Darden	S	Southwest Power Pool

x	56	Patti Kelly	S	Southwest Power Pool
x	57	Ricky Finkbeiner	S	Southwest Power Pool
x	58	Matt Harward	S	Southwest Power Pool
x	59	Jonathan Hayes	S	Southwest Power Pool
x	60	Kim Gorter	S	Southwest Power Pool
x	61	Erin Cathey	S	Southwest Power Pool
x	62	Ben Bright	S	Southwest Power Pool
x	63	Temper Williams	S	Southwest Power Pool
x	64	Melissa Rinehart	S	Southwest Power Pool