



**Southwest Power Pool, Inc.**  
**OPERATING RELIABILITY WORKING GROUP**  
**Face-to-Face, Denver, CO**  
**March 4, 2015 1:00 - 5:00 p.m.,**  
**March 5, 2015, 8:00 a.m. - 3:00 p.m. (MST)**

• M I N U T E S •

**Agenda Item 1 – Administrative Items**

Chairman Jim Useldinger opened the meeting. The agenda was updated to include updates for GridEx, IROL limit change, CROW, and system restoration/transfer limits.

Bryn Wilson is proxy for Greg McAuley.

Bob Cochran is proxy for Kyle McMEnamin.

**Agenda Item 2 – Approve Previous Minutes**

Chairman Jim Useldinger asked the ORWG if they were prepared to approve the meeting minutes for November 5-6, 2014 and February 5, 2015.

A motion to approve was made by “Todd Gosnell”

Seconded by Allan Klassen

The motion was approved unanimously.

**Agenda Item 3 – PRR Review**

1. MPRR 208 Revision Request Process

a. Erin Cathey stated this MPRR would standardize the revision request process for the business practices, criteria, market protocols and tariff.

b. ORWG commented that MPRR 208 had no reliability impact

2. MPRR 220 Poor Regulation Performance Disqualification

a. MWG wanted to have “may” deleted and the word “will” put back into the paragraph.

b. MWG believes that once SPP works with a Resource and the Resource is still not improving, then that Resource will be disqualified to provide regulation.

c. If the Resource does get disqualified to provide Regulation, then SPP will communicate it in writing to the Market Participant.

d. MWG did not want to be included in any review of disqualifying a Resource to provide Regulation because the MWG felt like there could be legal implications if they were part of the decision.

3. MPRR 228 Market Hub Approval Update
  - a. ORWG commented that MPRR 228 had no reliability impact.
4. MPRR 230 Cancelled Start Eligibility Recovery
  - a. ORWG commented that MPRR 230 had no reliability impact.
5. MPRR 234 Trading Hubs and Resource Hubs
  - a. ORWG commented that MPRR 234 had no reliability impact.
6. MPRR 237 Day-Ahead Market Local Allocation Compliance
  - a. ORWG commented that MPRR 237 had no reliability impact.

A motion was made by Allen Klassen to approve 228, 230, 234, 237 as No Reliability Impact. Ron Gunderson seconded the motion. The motion was approved unanimously.

A motion was made by Allen Klassen to approve MPRR 208. "Ron Gunderson" seconded the motion. The motion was approved unanimously.

A motion was made by Allen Klassen to approve MPRR 220. Todd Gosnell seconded the motion. SPS opposes. The motion was approved.

#### **Agenda Item 4 – Wind Integration Study Timeline Update**

Jason Tanner reviewed the wind integration study scope and timeline with the ORWG. The study will assess the reliability system impacts for wind penetration following the CRA study model. Jason discussed the study process inputs, which include dynamic stability and voltage stability analysis. Jason also discussed the desired results, which include determining system breakpoints for voltage and transmission related issues. Ron Gunderson advised studying the shoulder months and off peak time periods. Steve Gaw stated that the wind coalition may be able to assist with data, and would like to further discuss with SPP about the wind integration study. ORWG also advised taking into consideration ramping, high wind and no wind scenarios.

#### **Agenda Item 5 – Outage Coordination/Congestion Hedging**

Will Tootle discussed the outage coordination process related to operating guides and mitigation plans. He discussed the differences between the annual and monthly TCR auction process and the monthly and day ahead TCR auction process. Will spoke about how the comparisons are needed to determine the best monthly fit. ORWG discussed the definition of an opportunity outage and the impacts related to the TCR auction. Will and Ron Gunderson discussed the definition of a tie line, since most are no longer classified as an individual BA. Ron Gunderson stated a Revision Requests will be started to increase timeframes on some outage timeline requirements. Will Tootle addressed questions around information posted related to auctions. He stated there is a timeline and the models are posted based on the timeline, but the auction information is not posted. Casey said SPP will confirm with the

Congestion Hedging Team since the April TCR auction is coming up. He also stated there has been an update to the Congestion Hedging calendar.

Amber Metzker requested the line size to be included in the Outage Overview chart, since these were the ones applied in the TCR process, not the actual outages.

- Action Item – Will Tootle to present a chart of outages 5 days or greater during the next ORWG meeting.

Jim Useldinger stated that appendix 7, “Telemetry and Control System Status” outage notifications has created confusion. He requests that the Required Exchange Mechanism for these types of outage notifications to SPP needs updating.

- Action item - Neil stated that SPP staff will review the timing requirement language of SPP Criteria Appendix 7

#### **Agenda Item 6 – GWG – CRR014 Revise SPP Criteria Section 12.1 for EIA 411 reporting purposes**

Mitch Williams proposed to delete language in Criteria 12 that NERC standards cover and to leave language required by SPP that’s not currently covered in the NERC standards. ORWG determined that additional clarifying language for Net Accredited Capability would be required.

Ron Gunderson Motion to reject CRR014 from the GWG on the basis that the language is not needed to comply with MOD-025 until 7/1/2016 and the language needs to be consistent with the currently unfinished CMTF efforts.

Paul Lampe seconded the motion.

John Stephens abstained.

The Motion to reject was approved.

#### **Agenda Item 7 – BAL-002-2 Draft – Discuss impact to RSG documentation**

The Ballot is still open for discussion, and is still in process at NERC. Currently, the new draft standard only has a 42% approval due to the concerns about requirement 2. Ron Gunderson stated the ORWG will need a definition of active status in the Criteria for RSG.

#### **Agenda Item 8 – SPP RC GMD Operating Plan Review/Approve**

Jason Smith discussed the review and approval process for the SPP RC GMD operating plan. Currently, SPP has not received any plans from TOP’s that require any revisions. SPP did however make changes to the language within the SPP RC GMD operating plan, and ORWG made some additional edits to the plan language with respect to submittal times and notifications. Impact concerns per NERC documentation related to GOP and IPP notifications were identified. ORWG discussed the possibilities of obtaining the K-index quantity through ICCP for the purposes of Geo Magnetic Disturbance magnitude monitoring.

- Action item - Review the draft GMD plan which was modified in the ORWG meeting and send it out to the ORWG exploder.

### **Agenda Item 9 – SPP RE Update**

Greg Sorenson discussed that NERC is moving toward Risk Based Compliance Monitoring. This will result in smaller issues receiving fewer or lower (or possibly no) fines; however large events will continue to receive scrutiny.

Greg Sorenson discussed the findings for the 2011 southwest blackout. Greg reported that Western-DSW had a single contingency that caused an .88PU real-time voltage emergency on the 230kV system. The report indicated that next-day planning analysis did not recognize the voltage issues, and the system operators were not aware of the voltage concerns due to bad state estimator values that were maintained for multiple days.

### **Agenda Item 10 – NERC Activities**

Robert Rhodes provided an update on the current standards that out for comment and recently approved by NERC. He stated that a team will be formed to revise IRO-006 and IRO-009, stated that CIP-014 will better define the term “Wide Spread”.

Ron Gunderson stated his concerns with how the term was defined and believes a better definition should be derived.

Jason Smith provided an updated on the SOL review team activities. Jason stated that clarification is needed for the definition of a SOL, and what it means to have a SOL. He also stated that clarification is needed for SOL exceedance and forecasted SOL. Jason noted that some standards talk about SOL exceedance and refer to SOL violations. Language should be developed to clarify the difference between SOL exceedance and violation to improve communications between TOP and RC.

### **Agenda Item 11 – Other Items**

Lesley Bingham – GridEx Update

- Lesley Bingham provided an update for GridEx and stated that during the CIP working group meeting on March 17, 2015 GridEx 3 is on the agenda for discussion. GridEx 3 will use the results from November 2014 to begin the planning efforts for the next scenario, which will be more RC focused.

Mark Eastwood – Flowgate loading coordination

- Mark Eastwood provided discussion about flowgate loading and coordination between SPRM and AECL. Mark generated discussion about the flowgate, which is currently on a seam and he is concerned about what happens when SPP has taken all the remedial action. Allen Klassen recommended that SPRM submit a third transformer upgrade project. The recommendation generated further discussion within ORWG about the current top 10 flowgates and how upgrade projects are selected.
- ORWG created an Action Item
  1. Set up a meeting with the chair of TWG
  2. Set up joint meeting between ORWG and TWG.
  3. Create a joint report between MOPC and ESWG
  4. Set up joint coordination of the top 10 Flowgates

Neil Robertson - IROL discussion

- Neil discussed flowgate 5084 SWSFTCOKUTUC and proposed to remove the IROL limit for this flowgate due to the completed upgrade projects. ORWG agree the IROL limit should be removed.
- Action item – Neil will contact the affected parties the week of March 9, 2015 and discuss the IROL removal.

#### Neil Robertson – CROW Modeling

- SPP will begin modeling additional devices in CROW for switches, breakers, reactive devices, and special protection. Neil stated that reporting language will need to be drafted for SPP Criteria Appendix 12. SPP and the ORWG will move in the direction of making the reporting language a requirement after CROW is modeled correctly with the additional devices.
- Action Item – Neil will present new Appendix 12 language at the next ORWG meeting.

#### Jason Smith – BA Obligations during emergency conditions

- Jason Smith discussed the obligations of the BA during emergency conditions. Managing an island does not equate to performing BA functions, nor does connecting legacy BA Tie lines. Jason stated SPP training is working to develop new restoration classes to better simulate real world scenarios.

#### **Agenda Item 12 – Meeting Schedule**

- a. 4/2/2015 WebEx (Thurs) 0930-1200
- b. 5/7/2015 WebEx (Thurs) 0930-1200
- c. 6/3-4/2015 Face-to-Face (*Ron's place - NPPD*) Discuss changing the meeting start/end time due to flight options.
- d. 7/7/2015 WebEx (Tues) 0930-1200
- e. 8/6/2015 WebEx (Thurs) 0930-1200
- f. 9/2-3/2015 Face-to-Face (Little Rock)
- g. 10/8/2015 WebEx (Thurs) 0930-1200
- h. 11/5/2015 WebEx (Thurs) 0930-1200
- i. 12/3/2015 WebEx (Thurs) 0930-1200

#### **Agenda Item 9 – Summary of Action Items**

1. Action item - Neil stated that SPP staff will review the timing requirement language of SPP Criteria Appendix 7
2. Action Item – Will Tootle to present a chart of outages 5 days or greater during the next ORWG meeting.

3. Action item - Review the draft GMD plan which was modified in the ORWG meeting and send it out to the ORWG exploder.
4. Action item – Set up joint coordination of the top 10 Flowgates, schedule a meeting with the chair of TWG, and work toward joint meeting between ORWG and TWG. Create a joint report between MOPC and ESWG.
5. Action item – Neil will contact the affected parties the week of March 9, 2015 and discuss the IROL removal.
6. Action Item – Neil will present new Appendix 12 language at the next ORWG meeting.

**Agenda Item 10 – Adjourn**

Respectfully Submitted,

Casey Cathey  
Secretary



Operating Reliability Working Group

Meeting Attendance: 3/4-5/2015

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

Day 1	Day 2		Name	Status	Company
X	X	1	Jim Useldinger, Chairman	M	Kansas City Power & Light
X	X	2	Allen Klassen, Vice-Chairman	M	Westar Energy
X	X	3	Allan George	M	Sunflower Electric Power
X	X	4	Darrel Yohnk	M	ITC Great Plains
X	X	5	Dennis Sauriol	M	American Electric Power
X	X	6	John Stephens	M	City Utilities of Springfield Missouri
X	X	7	Paul Lampe	M	City of Independence
X	X	8	Ron Gunderson	M	Nebraska Public Power District
X	X	9	Steve Haun	M	Lincoln Electric System
X	X	10	Walter (Todd) Gosnell	M	Omaha Public Power District
X	X	11	Bob Cochran	P	Xcel Energy
X	X	12	Bryn Wilson	P	Oklahoma Gas & Electric
X	X	13	David Pham	G	Empire District
X	X	14	Mark Eastwood	G	City Utilities of Springfield Missouri
X		15	Mike Grimes	G	EDP Renewables
X	X	16	Terry Gates	G	American Electric Power
X	X	17	Amber Metzker	G	Xcel Energy
X	X	18	Chris Matos	G	Golden Spread Electric Cooperative
X	X	19	Don Hargrove	G	Oklahoma Gas & Electric
X	X	20	Gary Plummer	G	City of Independence
X		21	Jeff Wells	G	Grand River Dam Authority
X	X	22	Jim Krajecki	G	Customized Energy Solutions, LTD
X	X	23	Joe Taylor	G	Xcel Energy
X	X	24	Matthew Stoltz	G	Basin Electric Power Cooperative
X		25	Mitch Williams	G	Western Farmers Electric Cooperative
X		26	Neal Faltys	G	Omaha Public Power District
X		27	Robert Hirschak	G	CLECO
X		28	Robert Safuto	G	Customized Energy Solutions (CES)
X		29	Sheldon Hunter	G	Sunflower Electric Power Cooperative
X	X	30	Steve Gaw	G	The Wind Coalition
X	X	31	Tom Mayhan	G	Omaha Public Power District
X	X	32	Casey Cathey, Secretary	S	Southwest Power Pool
X		33	Derek Hawkins	S	Southwest Power Pool
X		34	Erin Cathey	S	Southwest Power Pool
X	X	35	Greg Sorenson	S	Southwest Power Pool RE
X	X	36	Jason Smith	S	Southwest Power Pool
X	X	37	Jason Tanner	S	Southwest Power Pool
X		38	Kathy Myhand	S	Southwest Power Pool
X		39	Micha Bailey	S	Southwest Power Pool
X	X	40	Neil Robertson	S	Southwest Power Pool
X	X	41	Robert Rohades	S	Southwest Power Pool
X	X	42	Will Tootle	S	Southwest Power Pool
X	X	43	Mark Robinson	S	Southwest Power Pool