

Southwest Power Pool, Inc.
OPERATING RELIABILITY WORKING GROUP (ORWG)
Net Conference
Wednesday February 3, 2021 8:30 AM – 12:00 PM (CST)
Thursday February 4, 2021 8:30 AM – 12:00 PM (CST)

• Action Items and Voting Record •

Agenda Item 5 – Consent Agenda: January 7, 2021 ORWG Meeting Minutes

Jeff Wells (Grand River Dam Authority) moved to approve the Consent Agenda, and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 7 – RR414 Default Reliability Buffers to Mitigate SOL Exceedances

Ron Gunderson (Nebraska Public Power District) moved approve the updated version of RR414, and Jeff Wells (Grand River Dam Authority) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 8 – RR442 Desired Dispatch Settlements Definition Alignment

Kyle McMenamin (Xcel Energy) moved approve RR442 as presented, and Jeff Wells (Grand River Dam Authority) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 9 – RR443 Resource Retirement Business Practice Clarification

Ron Gunderson (Nebraska Public Power District) moved approve RR443 as presented, and Bryn Wilson (Oklahoma Gas and Electric Co.) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 13 – EMT Analysis

Ron Gunderson (Nebraska Public Power District) moved that the ORWG agree with the proposal in RR430 and support the TWG direction, and Kyle McMenamin (Xcel Energy) seconded the motion. The motion carried without opposition or abstention.



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• M I N U T E S •

Agenda Item 1 – Call to Order

Chairman Allen Klassen (Eversource, Inc.) called the ORWG to order at 8:33 AM on 2/03/2021.
Chairman Allen Klassen (Eversource, Inc.) called the ORWG to order at 8:36 AM on 2/04/2021.

Agenda Item 2 – Attendance

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

Agenda Item 3 – Antitrust Statement

Jason Tanner (Southwest Power Pool) read the SPP Antitrust Statement.

Agenda Item 4 – Agenda Review and Notification

Chairman Allen Klassen (Eversource, Inc.) reviewed the agenda, and noted the additional Liaison Reports item for the Order 2222 Taskforce.

Agenda Item 5 – Consent Agenda: January 7, 2021 ORWG Meeting Minutes

Jeff Wells (Grand River Dam Authority) moved to approve the Consent Agenda, and Allan George (Sunflower Electric Power Corporation) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 6 – Liaison Reports

6a – Primary Frequency Response Task Force (PFRTF) Activities Update

Allan George (Sunflower Electric Power Corporation) provided an update to the PFRTF activities and stated that the group is working towards completing the PFRTF report.

6b - OCMTF Activities Update

Doug Peterchuck (Omaha Public Power District) deferred the OCMTF to item 7 on the agenda, and stated that the OCMTF is continuing to work on metrics. Doug stated that any additional OCMTF meetings will depend on the outcome of RR414.

6c – Order 2222 Taskforce Update

Ron Gunderson (Nebraska Public Power District) introduced the activities related to Order 2222 and stated that the intent of order is to remove distribution barriers to entry for wholesale markets. Ron stated that 100kW is the minimum threshold for DERA participation. Ron stated that 10 issues were identified and the taskforce is working to develop solutions. Ron stated that a tariff filing is due in July, however Ron noted that SPP and neighboring RTOs are planning to file a motion at FERC for extension.

Agenda Item 7 – RR414 Default Reliability Buffers to Mitigate SOL Exceedances

William Ragsdale (Southwest Power Pool) presented RR414 and explained the reasons why the Effective Limit may need to be set below the actual Transmission Owner Security Operating Limit (SOL). William explained that SPP's market systems utilized only MW flow opposed to MVA on transmission lines, however the TOPs Facility Ratings are MVA ratings. William explained the significant difference between the MW and MVA flow on a transmission line and the impact to transmission lines when they are heavily loaded. William stated the differences can cause market dispatch solutions that do not mitigate the SOL exceedance. William stated that forecast errors between projected conditions, the market engine, and actual conditions could also contribute to a need to lower Effective Limits below the actual Transmission Owner SOL. Ron Gunderson (Nebraska Public Power District) provided document changes for the group to review, and William stated that he would work with TCR and MWG regarding how staff will ensure the initial effective limits and distribution of resultant flows are appropriately accounted in the upstream systems.

Ron Gunderson (Nebraska Public Power District) moved approve the updated version of RR414, and Jeff Wells (Grand River Dam Authority) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 8 – RR442 Desired Dispatch Settlements Definition Alignment

Daniel Harless (Southwest Power Pool) presented RR442 and stated that when RR288 was approved through the stakeholder process it changed the definition of Desired Energy for Dispatchable Variable Energy Resources (DVERs) resulting in the need to update language to remain consistent with the definition. Daniel stated that this revision request will update the settlements definitions that were not captured in RR288, and Daniel review the redline changes within the document, and explained the addition of RTCapability5MinQty.

Kyle McMenamini (Xcel Energy) moved approve RR442 as presented, and Jeff Wells (Grand River Dam Authority) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 9 – RR443 Resource Retirement Business Practice Clarification

Jason Tanner (Southwest Power Pool) presented RR443 and stated that the language within the revision request is the ORWG, MWG, and TWG endorsed language. Jason stated that since the FERC approved the new Generation Retirement process the new business practice now exist and is available for modification. Jason stated that this revision request will satisfy the MOPC action item to clarify the operational screen section within the Business practice. Jason stated that he is expecting this revision request to be on the consent agendas for TWG, MWG, and the MOPC in April.

Ron Gunderson (Nebraska Public Power District) moved approve RR443 as presented, and Bryn Wilson (Oklahoma Gas and Electric Co.) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 10 – HITT R4 Implement Uncertainty Market Product

Ryan Schoppe (Southwest Power Pool) discussed the need for a new product as more intermittent resource generation comes online. Ryan stated that SPP faces uncertainty in forecasting our obligation and the trend is increasing. Ryan stated that SPP has seen large deviations in wind output that were not accounted for by DAMKT, for example SPP has seen a 3.5 GW wind drop in the Real time Balancing Market at peak not accounted for in the Day Ahead Market. Ryan stated that the behavior can stress reliability and lead to increased out-of-market actions and higher make-whole-payments. Ryan stated that a new "Uncertainty Product" has been designed, analyzed, and discussed with SPP Membership as a potential solution for these concerns. Ron Gunderson (Nebraska Public Power District) ask if we should expect a revision request, and Ryan stated that we should.

Agenda Item 11 – Restoration Submissions over R-COMM Demo

Margaret Quispe (Southwest Power Pool) provided a demonstration of the additional grid that the RC will enable in R-COMM when a restoration event occurs. Margaret stated that each restoration event will have a unique ID, and TOPs will have the ability to read all the data. Margaret stated that entities not in the island will be listed as “Non-Island” to allow for updates. Margaret stated that a separate pop up will be utilized for entering new updates and a RC acknowledgment flag will be utilized for timestamps. Ron Gunderson (Nebraska Public Power District) asked if we could have a clickable list instead of entering manual name entries, and Margaret stated that we could add that to a future enhancement. Bryn Wilson (Oklahoma Gas and Electric Co.) stated he would like to see this tool utilized during training. Allen Klassen (Evergy, Inc.) asked what the timeline was for implementation, and Margaret stated around the third quarter of 2021.

Agenda Item 12 – Load Shed Testing Review

Margaret Quispe (Southwest Power Pool) reviewed the load shed test summary and stated that on 8/12/2020 a blast call was utilized to notify and prepare the TOPs. Margaret stated that all TOPs took more than 5 minutes to acknowledge the instruction, and three TOPs took longer than 10 minutes. Margaret stated that acknowledgement should be immediate. Margaret stated that during the 1/13/2021 load shed test no notification was used to prepare the TOPs and only four TOPs took longer than 5 minutes while three took longer than 10 minutes. Jeff Wells (Grand River Dam Authority) stated that his operators experienced issues with the blast call hanging up after the following the steps. Chris Shaffer (American Electric Power) stated they had issues with the acknowledgment button in R-COMM. Jeff ask what is the time duration for acknowledgment, and Margaret stated within five minutes for acknowledgement and 30 minutes for MW’s back. Margaret stated that a job aid should be on all the desk, and the ORWG suggested adding the job aid to the R-COMM tool.

Agenda Item 13 – EMT Analysis

Doug Bowman (Southwest Power Pool) reviewed the revision request changes to Attachment V, section 8 of the SPP Tariff and stated that the DISIS phase 2 would consist of a Short Circuit Ratio and Critical Clearing Time screening. Doug stated that when the screening produces possible inverter instability due to the customers’ interconnection then an electromagnetic transient analysis will be performed. Doug explained the timeline for the analysis and stated that these recommended changes were derived from the ORWG’s Inverter-Based Generation Integration Study that Jason Tanner led.

Ron Gunderson (Nebraska Public Power District) moved that the ORWG agree with the proposal in RR430 and support the TWG direction, and Kyle McMenamin (Xcel Energy) seconded the motion. The motion carried without opposition or abstention.

Agenda Item 14 – Generation Dynamic Data

Will Tootle (Southwest Power Pool) discussed the need for generator dynamic data and ask the ORWG to weigh in with their thoughts on requiring it in the registration process. Bryn Wilson (Oklahoma Gas and Electric Co.) stated that if the data is being used in study process and the results are used for compliance then the data requirements should be included in the required data specification (RDS) document. Allen Klassen (Evergy, Inc.) stated that the requirements should be included in both the Interconnection Agreement and RDS.

Agenda Item 15/16 – Action Item Review

No Action items were recorded.

Agenda Item 17 – General Q/A

Jason Tanner (Southwest Power Pool) announced that he would be stepping down from the ORWG Staff Secretary role at the conclusion of this meeting. Jason stated that it was an honor to serve this group and he was grateful for the opportunity.

Agenda Item 18 – Meeting Schedule

- a. 02/3/2021 WebEx (Wed) 0830-1200
- b. 02/4/2021 WebEx (Thurs) 0830-1200
- c. 03/3/2021 WebEx (Wed) 0830-1200
- d. 03/4/2021 WebEx (Thurs) 0830-1200
- e. 04/1/2021 WebEx (Thurs) 0830-1200
- f. 5/5 – 5/6/2021 Face to Face (Tulsa, OK)(GRDA) – Tentative
- g. 6/3/2021 WebEx (Thurs) 0830-1200
- h. 06/29/2021 WebEx (Tues) 0830-1200
- i. 08/5/2021 WebEx (Thurs) 0830-1200
- j. 09/1 – 9/2/2021 Face to Face (Amarillo, TX)(Xcel Offices) – Tentative
- k. 10/7/2021 WebEx (Thurs) 0830-1200
- l. 11/4/2021 WebEx (Thurs) 0830-1200
- m. 12/2/2021 WebEx (Thurs) 0830-1200

Agenda Item 19 – Adjournment

Chairman Allen Klassen (Eversource, Inc.) recessed the ORWG at 11:36 AM on 2/3/2021.
Chairman Allen Klassen (Eversource, Inc.) adjourned the ORWG at 11:06 AM on 2/4/2021.

Respectfully Submitted,
Jason Tanner, Secretary