

**Southwest Power Pool
WESTERN RELIABILITY EXECUTIVE COMMITTEE
Friday, October 18, 2019
8am to 10am MDT (9am to 11pm CDT)
Net Conference**

• M I N U T E S •

1. Call to Order

Keith Carman called the meeting to order at 8:01am MDT (9:01 am CDT) on Friday, October 18, 2019.

2. Attendance and Quorum Determination

CJ Brown took attendance (attached) and confirmed that quorum was met.

3. Review and approval of WREC meeting agenda

Keith Carman requested for approval of the meeting agenda. Jeff Landis motioned to approve, seconded by Denton McGregor; with no further discussion or opposition, the motion was approved.

4. Approval of WREC Minutes from September 18, 2019 open meeting

Keith Carman requested approval of the minutes if there were no changes. Bob Staton motioned to approve, seconded by Jonathan Aust; with no further discussion or opposition, the motion was approved.

5. Review of Past Action Items

a. CJ Brown to provide cheat sheet on tools and their availability before shadow operations.

CJ Brown said that the cheat sheets were provided and were stored in a couple of locations, with notifications already sent out. He said that SPP has received some feedback that those cheat sheets were helpful even though it has only been a couple of weeks into shadow operations. He suggested that the West RC customers send any feedback for improvement through the SPP Remedy Management System (RMS) so that those feedbacks get to the proper channels. They could also reach out to CJ Brown or through the SPP RMS if they would like to see additional cheat sheets.

- b. Due to concerns with liability reason, CJ Brown to check with SPP's Legal department about providing an attestation letter that PEAK used to provide to indicate compliance of data specifications.**

CJ Brown said that per his discussion internally, SPP should not be responsible for their compliance where SPP is taking the liability. Bob Staton elaborated on his request for this action item. Jonathan Aust brought up the IROs and TOP-003 standards, where both the RCs and TOPs must meet their compliance obligations to make sure both parties exchange data as expected. CJ Brown said that if a West RC customer was getting such letter from PEAK and would like a similar letter from SPP, they can submit an RMS request where the ticket will be routed to the right channel, and that SPP should be able to provide on a case-by-case basis. He added that SPP does provide attestations upon request in the East and can do the same for the West if necessary.

- c. CJ Brown will prepare a formal letter of appreciation to PEAK on behalf of the WREC and SPP for their support, and email the draft letter to be voted on by WREC within a week.**

CJ Brown said that the appreciation letter has been provided to PEAK and thanked the group for the idea. Keith Carman stated that PEAK has included the letter in their newsletter, and hoped they hang the framed letter on their wall for their employees to see the appreciation of our acknowledgment for their professionalism and the ease of working with them, especially during this difficult time for them.

6. WRWG Updates and Approval Items

Denton McGregor provided WRWG updates:

- West Modeling Task Force (WMTF) are diligently working on model validations, contingency displays, etc., and has also developed a "Comment Issues List" since not everybody is at the same stage of model validation, and on updating the Reliability Data Specifications (RDS) sheet.

- Congestion Management and Seams Task Force (CMSTF) have not met since the prior meetings but are working on shadow operations, reviewing retirement of matrices related to the Rocky Mountain Reserve Group, and winding down the task force.
- RC Readiness Task Force (RCRTF) have not met since their August meeting but have just reported that trainings have been completed by all entities, and are working on corrections to CROW and CROW database with Derek Hawkins (SPP).
- There were various SPP updates, which included a dial-in by Mike Wells from WECC regarding TOP-001-4 R9 discussion to better understand what the approach is on telecommunication requirements for planned and unplanned outages.
- Modeling Task Force (MTF) reviewed the RDS for re-approval with regards to changes to the Reserve Sharing Group (RSG); and also discussed taking outages for lines owned by different entities and being able to submit line outages on CROW.
- WRWG has two action items: one for Julia Sites (SPP) to share a process that customers can follow to request external ICCP data points from SPP instead of relying on PEAK's EHV for connections with other non-SPP entities; and one for Yasser Bahbaz (SPP) to schedule weekly calls during shadow operations to identify and review any issues encountered during the next few weeks. Denton McGregor confirmed that Yasser Bahbaz has already set up the calls and that it occurs every Thursday 9-10 am Mountain Time.

7. SPP Project Status and Certification Visit Update

CJ Brown said that SPP is already a couple of weeks into its shadow operations, and the biggest work has been about getting CAISO's first tier information into SPP's model, which included validating the ICCP data, but most of the work were already done before the Certification visit.

CJ Brown also said that the Certification visit went well and that SPP has gathered a lot of good feedback. There were still four items in Bucket 2 related to satellite phones, as well as model and data information that were in progress.

SPP's final West RC operator came on staff last week and is being trained, while another operator had her peer interview yesterday. He anticipated that both operators would be desk qualified by December 3rd.

CJ Brown asked that the WREC remind their operations staff that PEAK is still the RC of record until December 3rd and will continue to give Operating Instructions for compliance reason until SPP takes over.

CJ Brown said that SPP may do certain things different from PEAK to provide RC service but he welcomes any questions and feedback to understand the way SPP does things, and to help SPP learn and improve.

Jonathan Aust said he understands that SPP has a 30-day model update cycle, and that the next model update will be on November 1st. He would like to know if it will be possible to do updates quicker during this initial effort if an issue is encountered during shadow operation. CJ Brown explained that ICCP model updates are done as often as needed when an issue is found, as often as once a week if needed; and that monthly EMS modeling can also be done more frequently if necessary. CJ Brown will get with Tim Miller to share SPP's modeling process so that they can take it back and share that with their engineers.

Bob Staton expressed his observation during the Certification visit that the SPP West RC operators might need to get used to the terminology of "flowgate" being a "constraint path", similar to a cultural change. CJ Brown said he will ensure the SPP West RC operators are mindful of saying "flowgates" to the West folks and will consider using the term "constraint path" instead. Keith Carman also expressed his concern with the potential confusion when communicating with CAISO, but CJ Brown clarified that "flowgate" is a real word, a synonym, similar to saying "path", but said he will talk internally to get the SPP West operators' perspective. John Tolo and Warren Rust both said they are comfortable with the "flowgate" term. Keith Carman said he would like to discuss this further in the next face-to-face meeting.

In answer to the question on SPP RTCA being down for half an hour yesterday, CJ Brown clarified the 30 minutes concern should apply to RTA being down, not RTCA. Bert Bressers said that SPP has two EMS systems, so if one RTCA has too many unsolved contingencies from one EMS system, it will automatically switch to the secondary system. However, the WREC would still like this as a lesson learned on the next meeting to understand what caused that issue. Jeff Landis asked if RDS is tied to Real-Time Contingency Analysis (RTCA) and not Real-Time Assessment (RTA), to which Bert Bressers affirmed and added that the RTCA solution in EMS is tied to the State Estimator solution, and both are sent to the RDS. CJ Brown reminded the WREC that if

both SPP EMS systems are down, they need to have an effective backup system on their end if they are using SPP's EMS as their primary.

8. Shared RC Tools Management Update

CJ Brown said he talked to other RCs on the shared tools, and noted that most of the items and concerns out of the last meeting have been addressed, except for a few in progress, and hoped to have a draft of the shared tools soon in a week or two. In addition, he said that the committee is only focused on the two tools: Western Interchange Tool (WIT) and Enhanced Curtailment Calculator (ECC), since the third shared tool applies only to the Canadian entities.

9. Update on CAISO RC

CJ Brown said that SPP has acquired the necessary data from CAISO and is working on some mismatches. Keith Carman said he believes that things are going well, even though there is a change from the way they do things with PEAK to SPP, which will essentially be a learning process during the transition, and thus, the value of shadow operations.

10. Other Items

None.

11. Summary of Action Items

1. Tim Miller (SPP) to share information on EMS modeling timeline, including the process of emergency modeling.
2. Yasser Bahbaz will prepare educational slides on “flowgate” versus “path” approach.
3. CJ Brown will provide information on RTCA expectations, including SPP RDS and RTA procedure.
4. CJ Brown will make sure the WRWG and ORWG leaderships are aware of the intent of the October 1st, 2020 joint meetings.

12. Future Meetings

Keith Carman reminded CJ Brown to include a tour of the SPP Control Center during the next face-to-face meeting in November for the RC customers who would like a tour. CJ Brown said that he will reach out to the WREC member-only list with an email to send him their names so

that he could get the approval and make the necessary arrangements for a group tour on November 20th and/or 21st.

<u>Date</u>	<u>Time</u>	<u>Host</u>
11/20/2019, Wednesday	1-5pm local	F2F: SPP (lunch provided)
12/6/2019, Friday	8-10am MT	WebEx
1/15/2020, Wednesday	1-5pm local	F2F: El Paso (lunch provided)
4/29/2020, Wednesday	8-10am MT	WebEx
7/29/2020, Wednesday	1-5pm local	F2F: SPP (lunch provided)
10/28/2020, Wednesday	8-10am MT	WebEx

Keith Carman reminded the WREC that the face-to-face meeting in July 2020 was intentionally timed to discuss about budgets.

Denton McGregor said that the last WRWG face-to-face meeting in 2020 will be on September 29th and 30th to align with ORWG’s meeting on September 30th and October 1st at SPP. Keith Carman said that he is fine with WRWG aligning their joint meeting with ORWG, instead of the WREC aligning with ORWG; which both Warren Rust and Jonathan Aust concurred. As such, Keith Carman suggested that if the WREC would like to see what ORWG is about, they could plan to attend the joint meeting with WRWG next year.

13. Executive Session Discussion

14. Adjournment

Keith Carman motioned to adjourn the open meeting, seconded by Jeff Landis. With that, the open meeting was adjourned at 9:31am MDT (10:31am CDT) and moved into the executive session.

Respectfully submitted,
CJ Brown
WREC Staff Secretary

Attendance:

Keith Carman (Tri-State, WREC Chair)
Bob Staton (Xcel – PSCo, WREC Vice Chair)
Denton McGregor (Black Hills, WRWG Chair)
Brian Rounds (AESL)
Hank Adair (FEUS)
Jeff Landis (PRPA)
John Tolo (TEP)
Jonathan Aust (WAPA)
Kevin Kingsley (MDU)
Lloyd Linke (WAPA)
Maude Grantham-Richards (Tri-State)
Mike Rein (Xcel)
Pam Feuerstein (IREA)
Rebecca Johnson (WAPA)
Tom Christensen (BEPC)
Tom Kleckner (RTO Insider)
Warren Rust (CSU)
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CJ Brown (SPP, WREC Staff Secretary)
Ashley Stringer (SPP)
Bert Bressers (SPP)
Samantha Gwei (SPP)