

**Southwest Power Pool, Inc.**  
**OPERATING RELIABILITY WORKING GROUP**  
**Face-to-Face Meeting**  
**Little Rock, AR**  
**1:00 p.m. (CDT) – 5:00 p.m. November 5, 2014**  
**8:00 a.m. – 3:00p.m. November 6, 2014**

**• Summary of Action Items•**

1. Jason Smith, Kathy Myhand, Carl Stelly to work with Kitty McArthur to update the BAOC contact list and confirm addresses.
2. SPP to modify the process to send CPS and BAAL reports to BAOC members and alternates, as available.
3. Jason Smith to create a more in-depth look at Reserve Analysis events for this group to discuss.
4. Staff will provide some information related to the number of manual dispatch instructions prior to IM and EIS comparison.
5. Carrie Simpson will work to get the DVER/NDVR discussion in the MWG discussion in December.
6. Staff to revisit the OOME\_MPRR and bring back to the next meeting.
7. Jason Smith to ask RTWG and TWG about interconnection agreement sections related to communication and metering; draft language adjustments.
8. Jason Smith will get a group together to discuss more Restoration type activities and Carla's list of questions. SPP Staff, Carla Fitzpatrick, Paul Lampe, Allen Klassen, and others have expressed interest in the discussion. A FAQ or whitepaper will be created based on the discussion. Let Jason Smith know if you want to be involved.
9. The SPP Emergency Operations Plan may have some gaps that need to be addressed. Jim Useldinger suggested this as an action for the BAOC.
10. The GECTF List of Issues information will be brought closer to the surface on the GECTF webpage.
11. Jason Smith and Kathy Myhand to work to develop a written procedure for managing local problems (commitments for voltage).
12. More discussion in December related to the Strategic initiative.

**Southwest Power Pool, Inc.**  
**OPERATING RELIABILITY WORKING GROUP**  
**Face-to-Face Meeting**  
**Little Rock, AR**  
**1:00 p.m. (CDT) – 5:00 p.m. November 5, 2014**  
**8:00 a.m. – 3:00p.m. November 6, 2014**

• **Draft Meeting Minutes** •

**Agenda Item 1 - Administrative Items/Review Agenda (Jim Useldinger/Jason Smith)**

Jason Smith started the meeting at 1:00 p.m.

Attendees are noted in the attached attendance list. There were no agenda changes.

**Agenda Item 2 – October MOPC Debrief (Jason Smith/Jim Useldinger)**

MPRR 208 made it through the consent agenda. There will be additional work needed. Staff to convert the revision request process into a MOPC process document, to be revisited in January MOPC.

Criteria Appendix 5, CRR15 was approved through the consent agenda.

**Agenda Item 3 – CBASC/BAOC Presentation (Carl Stelly)**

Carl Stelly explained the actions at the MOPC, including the acceptance of the BAOC and dissolution of the CBASC.

A notice was sent to representatives since the MOPC meeting for primary and alternate members for the BAOC. There is a full roster and draft charter. Carl Stelly requested the information be included in the next meeting, it has not changed since ORWG reviewed the information in Oct. Paul offered to stay on as chair, if ORWG decides to do that. ORWG can make the decisions and MOPC approval is not needed.

- Carl Stelly requested the ORWG approve the BAOC Charter.
  - **Ron Gunderson moved to approve the BAOC Charter. Paul Lampe seconded the motion. The motion passed unanimously.**
- As a separate group the ORWG does not have to include all the member/legacy BAs. Does the Chair of the BAOC need to be a member of the ORWG? Not according to the documentation to date.
  - **The ORWG reviewed and accepted the BAOC membership as provided by Carl Stelly.**

Jason Smith, Kathy Myhand, Carl Stelly to work with Kitty McArthur to update the contact list and confirm addresses.

**ORWG Charter Revision**

Jim Useldinger walked the group through the revision in the redlined copy of the Charter. Bullet 6 is the primary change related to the BAOC.

- Jason Smith updated the charter with requested wording changes.
- Mike Wech mentioned the NAESB piece that the RCWG will not address.

**Greg McAuley moved to approve the charter as updated in the meeting. John Stephens seconded the motion. The motion passed unanimously.**

**Agenda Item 4 – CPS Report (Jason Smith)**

Jason Smith reviewed the September report provided in meeting materials. He displayed the October report which was not available until yesterday. SPP is reporting under BAAL. Jason Smith to find the BAAL report; one 15 minute exceedance since March.

SPP to send to BAOC members and alternates, CPS and BAAL reports as available, as an ongoing process change.

### **Agenda Item 5 – Reserve Response Analysis Report (Q3)**

(This was formerly called the DCS event report.)

There were two reportable events during the reporting period; neither are DCS events.

- Ron Gunderson asked for details related to not making the September event. The event was during load pick up, ramp sharing played a role. Some ramp may have been double-counted and ramp pre-logic played a role. The RSS pre-logic was added in the EIS market to stop severe overshoot problems when recovering from a unit trip. RSS assumed x resource MW from the outside, but it wasn't a big enough unit to get assistance from the outside. The parameter has been modified now, RTBM has some response set aside from contingency reserves, was ~75% now ~25% of the magnitude of the loss.
  
- Ron Gunderson commented that the response time in the chart looks like it was more than 5 minutes out. Jason Smith said the RSS event was put in quickly, reserve was deployed out to the units; the units took a little while to process the instruction. Were any of the deployments outside of the ramp for the unit(s)? Ramp sharing can cause deployments outside of the capable ramp for a unit. The analysis does not clearly show the other actions taking place. There are penalties for URD, etc... where they will have charges for not responding as needed. There was an additional 700 MW contingency reserves available at the start of this event. Jason Smith to determine if units were deployed outside their ramp rates.
  - In the July event the load was dropping off.
  - Ron Gunderson mentioned the frequency excursion event when there was a DCS event. He continues to be concerned during the load increase and rampable units.
  - Neil Robertson commented that regulation information will be added to the charts that are included in these reports going forward.
  
- Darryl Yohnk asked if this were a real DCS event, would manual intervention be needed. Jason Smith responded that there were manual actions during this event and they are monitoring this. There is a difference in the reaction based on the size of the event and dead-bands.
  
- Headroom doesn't cover the reserves one hour to the next. Jason reviewed the Headroom diagram and explained the gap and the headroom being the greater of 900 mw or half of the difference between the steps. The headroom is used for differences in forecasted and actual load, wind, ramp range of a unit, etc... Regulation is on top of the headroom and is double what was originally intended. Hour to hour changes are captured in the changes in regulation. Schedule changes may not be included either. NSI changes are known hour to hour, but not day ahead.

- Ron Gunderson is concerned that we're not carrying enough reserves. Jason Smith to create a more in-depth look at Reserve Analysis events for this group to discuss. Include forecast errors in the analysis. Deployed vs procured information.

Neil Robertson added that attempts to do analysis of ramp sharing did not provide analysis that would be useful to review based on the complicated nature of the data.

*Break 2:41 to 2:55 p.m.*

#### **Agenda Item 6 –Emergency Communication Discussion (Carrie Simpson)**

This discussion is related to the outage on Friday (17th) a few weeks ago. A blast call was initiated to members; it encountered issues and questions. If the phone is hung up, how does a call recipient get back in the call?

Carrie Simpson provided the following additional information. The Verizon call had a problem which has now been addressed. The backup (MSG911) is a call notification system, one way only. SPP can see when it's disconnected through the Blast Call method and call the person back.

Other feedback included that they didn't know when the market had been delayed. The process was followed through the MUI and API, but it's not easy to find. SPP is working on a better method of communication. It worked as designed and the process was followed. 9 intervals were missed in a row. The December CWG meeting should include a more in depth review.

MSG911 notifications may go out in the near future for Emergency Evacuation drills and events, using a one way notification through phone and email.

#### **Agenda Item 7 – OOME MPRR Discussion Continued**

Jason Smith displayed the language from the posted protocols (21a) which had been marked up by Ron Gunderson based on the MPRR discussions. John Stephens added comments primarily related to DVERs and NDVRs.

If a DVER is OOME'd they should be called. NDVRs are OOME'd now for reliability reasons. They have to make a call. The DVERs are just dispatched and their set points reflect what is needed, a phone call should not be needed except in an emergency.

Jim Jacoby asked for clarification on the OOME during an emergency. It appears to be treated as an instruction and a dispatch. Jim suggested using another name. The definition of an emergency continues to be unclear.

For wind, we are documenting in MPRR 185 that it's really a cap, the OOME for wind recognizes that they may need to go below the cap. The effective max limit is set to the lesser of. SPP should send the OOME number and the effective max. Raleigh Mohr said both should be available through ICCP. Ron Gunderson can check this, he had been told in the past that it wasn't available through ICCP. This is or should be in the ICCP handbook.

Staff will provide some information related to the number of manual dispatch instructions prior to IM and EIS comparison.

Omar Martino requested confirmation that a post contingent overload can be considered an emergency. A signal will be sent to reflect the limit. The LMP should reflect the value with all things considered. The NDVRs don't necessarily follow price signal. The market may resolve an issue where sched will resolve it but not in the timeframe needed. Carrie Simpson mentioned that there are benefits documented that show a DVER over NDVRs. She said it will be discussed with the MWG. Some NDVRs can behave as DVERs and need to be reclassified and will need an incentive to do so.

Carrie Simpson intends to be on the December MWG agenda to discuss some cases where analysis was performed to show what would have happened if a NDVR were classified as a DVER.

We may get some more NDVRs from WAPA, ~800 MW.

Related to MPRRs, 21 is what is being done, 21a is what is being proposed; do MPRR's from the 'a' version.

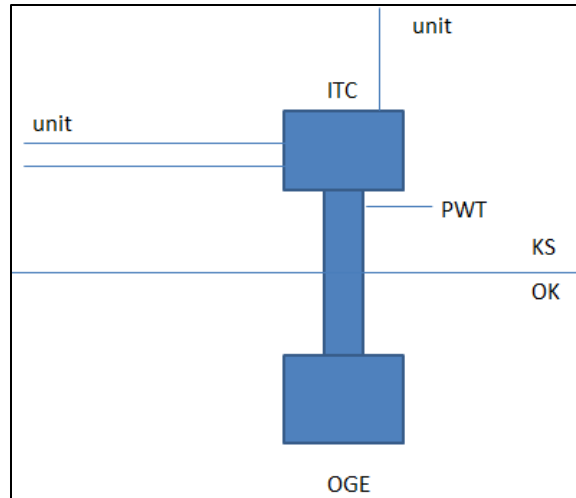
Staff to revisit the OOME\_MPRR and bring back to the next meeting. There will continue to be a need for manual dispatch.

Greg Sorenson commented that when being audited it will be based on NERC's definition. What's the operating plan if you get to the post contingent situation? Written and disseminated information is better than not. Will there be an immediate adverse effect on the line? There will be questions related to the effectiveness of the plan.

#### **Agenda Item 8 - Tie Line Data Communication Requirements (Greg McAuley)**

There is a potential communication issue for Tie Line Data. Greg McAuley would like to standardize a communication protocol for 345kV. DNP3 and ICP were mentioned as possibilities. There are cost considerations. Minimum design standards are being developed. It is not specified in the Interconnection Agreement. The discussion included FERC Order 1000 and CIP standards. Other considerations include a difference between the metering and control center devices, real time information, and incomplete data.

Greg McAuley provided an example that several others indicated similar situations.



They wanted data from the designated meter point, but did not get it. Others have similar situations related to relays with the same type set up based on them being the TOP.

Paul Lampe indicated that SPP would want to get multiple methods of data, if relying on ICCP and it goes down, SPP doesn't get the data they need. SPP can switch between primary and secondary data sources when needed.

Jason Smith to ask RTWG and TWG about Interconnection Agreement sections related to communication and metering; draft language adjustments.

*Meeting ended at 5:00 p.m.*

**Day 2**

*Meeting started at 8:00 a.m.*

**Agenda Item 9 –Market PRRs (Micha Bailey)**

**MPRR 215**

Settlements related MPRR.

John Stephens asked if this affected how the products were selected or only the compensation. It is only the compensation.

**John Stephens moved to approve MPRR 215 with no reliability impacts. Greg McAuley seconded the motion, the motion passed unanimously.**

**Agenda Item 10 – Restoration Training Sub-Group Scope**

A previous discussion led to some research related to additional scenarios and training for restoration related activities. An activity related to partial restorations, responses, unit information, etc...

SPP Staff has discussed some scenarios, but there are more scenarios that need to be added to the list. These will need to be passed to the task force.

- Naming confusion DTS and EMS and Company names

- Handoff from TOP to BA and RC interaction (New EOP Stds have TOP and RC managing balancing duties, though not balancing; maintaining frequency.)
  - If connecting separate TOPs, how does it work building the system and combining them? There isn't interchange until connected outside of SPP. NPPD, LES, OPPD okay and WR and south is dead. Drill this out to see how it gets put together. Jason Smith is planning for the SPP Operators to run through this and other scenarios to see where our pain points are and where additional information may be needed.
  - Greg McAuley said their operators are getting less experience, now that they aren't a BA. They may need the awareness through a drill situation to keep them training on Inc and Dec'ing units.
  - Ron Gunderson may connect with WAPA before connecting with the SPP Areas. They have more ties with them. Jason Smith said there was a discussion at MISO last week related to WAPA and their hydro.
  - What if Danny McDaniel is connected to SPP but there are entities to the east that aren't. That changes how things would be handled.
- How would SPP handle the interchange with multiple islands?
- Potential regrouping and coordination of plants. (Traditionally had a north, east, south west set of plants. Others could be grouped and review plans that would put the right people in the drills together; such as SPA and AECL.) Review plans with a walk through and determine touch points and options that may exist and want us to update the plans based on new information.
- Minimum fuel storage requirements. We have no standard requirement at SPP. In a restoration scenario, 2 days won't likely be enough. Fuel storage and requirements is a consideration.
- Data and confirmation on unit droop control.
  - Voltage spike isn't displaying/calculating in the DTS during training. The system is much easier to restore in SPP's DTS than in Ron Gunderson's training simulator.
  - Margaret Adams commented about the Emergency Response Drills. That is a good option for training outside of SPP blackstart drills. Partial system outages and partial restorations. Training is being customized, contact TJ Rhodes for additional information.

Carla Fitzpatrick confirmed the bullets that Jason mentioned. They will develop specific training for OPPD in agreement with Greg McAuley's comments about losing the trained operators over time from lack of opportunity to maintain skills needed.

The SPP Emergency Operations Plan may have some gaps that need to be addressed. Jim Useldinger suggested this as an action for the BAOC. Carl Stelly added that this what is needed for stakeholder feedback as flushing out gaps in the Emergency Operating Plan. This is a good opportunity for the BAOC.

The restoration information that is being reported to SPP is not easy to use. Ron Gunderson suggested using pre-built spreadsheets where you upload your information and download others information, but it allows for multiple areas to update information. The goal is to keep SPP updated every hour. The spreadsheet he is referring to has a map where the information updates the map to show a visual diagram.

The SPP Blackstart/Restoration DTS system takes time to learn and considerable time is taken in the training to relearn the tool. There may be a process where an entity uses their own system and reports updates to the SPP DTS.

SPP just updated to a new version of the DTS and have been experiencing some bugs with the updated version. There have been challenges based on this. The DTs only has a certain capacity for scenarios. A new set of scenarios have to be provided to the engineer 4–6 weeks earlier so they can be set up prior to the training and there is no capability to save the scenarios.

Handing the operations back to the SPP BA, would have been updated in each area's plan. There is likely multiple versions of these steps. SPP may want to determine a process and have the area's incorporate it into their updates for next year. This was suggested by Allen Klassen. Dennis Sauriol suggested that PJM has something similar in their plan; specifics on the handoff of islands and when it gets turned over to the RTO. SPP can only run one island with the SPP EMS system.

AGC, Frequency, Tie Line Bias, etc... need to be addressed for local operators and training in-house.

Jason Smith will get a group together to discuss more Restoration type activities and Carla's list of questions. SPP Staff, Carla Fitzpatrick, Paul Lampe, Allen Klassen, and others have expressed interest in the discussion. A FAQ or whitepaper will be created based on the discussion. This will be available to the BAO and ORWG for review. Separately Staff will work with SPP Operators for other questions that need to be addressed.

### **Agenda Item 11 – Gas Electric Coordination Task Force Joint Discussion (Don Shipley)**

Jake Langthorn kicked off the GECTF portion of the meeting at 9:15 a.m.

Rob Janssen mentioned that the first year of the GECTF was related to situational awareness and responding to FERC. Two main things related to summer activities were an understanding of the connection of gas pipelines and the understanding that there are potentials of localized constraints. Other things are coordination for maintenance activities – about half as much gas moves through the pipelines in the summer during the maintenance, which could cause us problems in the future.

Carla Fitzpatrick is already experiencing problems with the gas procurement. Rob Janssen suggested that there is a difference between south and north pipeline access, less infrastructure in Nebraska. There is a split that needs to be considered.

Don Shipley provided discussion for the topics below:

**Last Winter:** SPP looked good as a region. Some other regions had challenges. Dec 2, Jan 4–7, Feb 6–7, and March 3 – 6 were the dates of cold weather and difficult operating conditions through the winter.

Southern Star and Northern Natural represent 45% of our region's pipeline. There are a couple big storage areas within our system. These pipelines are accessing those. There were coordinating calls with the pipelines (SPP and pipelines) on for the early events. In Dec, we had the call on the first, for the



event the next day and 2 days prior for the January event. The pipelines were forthcoming and helpful – they explained restrictions. When we attempted to apply it – we found out that the weekend gas procurement had already been made. Any changes that SPP could make at that time would have been too late. When we left the calls, SPP talked to a couple BA Areas in our footprint prior to the CBA, based on the sections and directions of limitations in the pipeline. A couple units had issues that they told us about. Communication was increased for the weekend.

The procedure is being updated for the new winter. This year we have included discussions with Enable Midstream. Either SPP or a pipeline can initiate a call without specific parameters related to the event(s). The call can only include public information at that time. These can be as early as 7 days prior to any forecasted event.

- SPP will use the information and identify generators that may be impacted. SPP would initiate conversations with the generators. This may initiate multi-party communication - Pipeline, SPP Operations, and GOP. This conversation will be more detailed and specific. The GOP may have a different plan, or contractual differences that SPP may need to be aware of. If they are dual-fuel and plan to switch to oil.
- This gives SPP time to determine if we would need any Reserve changes. The tricky part of all of this is forecasting. We are trying to ramp up our readiness and interaction with the pipelines. They meet firm customers and protect their pipeline. They make changes in their restrictions and supply based on meeting these requirements.

We visited with other ISO/RTOs to learn from their experiences with events last winter.

There is a plan to meet Dec 4 to discuss how we would call on extra reserves, etc... and improvements to the plan. This will include an Emergency Operations Plan update.

Weather forecasts indicate similar weather to last winter. SPP has had some meetings with FERC related to the winter to provide updates on our readiness.

**Increasing Reserves** – spreadsheets that identify units that have multiple pipelines and fuel switching. The GOP responsibilities stay with the individual members.

SPP continues developing a Conservative Operations Mode; triggers need to be determined. SPP may provide notification, what should the recipients of the notification need to do in response. How would it best be communicated? CJ Brown added that there are options; SPP is discussing when to use them and when to change to a different approach. There are certain times of the year that we may want to broaden the tools that are in place – such as the Multi-Day Reliability (MDRA) tools. Make whole provisions, and reliable operations, etc... are being discussed.

Amber Metzker commented that if we start going toward the MD RUC, parameters that can't change after locked in. The BAOC will drive changes to the EOP. Have we looked at other RTO plans? PJM vs MISO vs ERCOT... some good information is included. Rob Janssen was attempting to coordinate the

follow up plan for the EOP; SPP contends that the EOP should be owned and updated by SPP Staff. A broader group of members that should conduct a review of the EOP. Carl Stelly added for the benefit of the GECTF, that the BAOC was approved and formalized as of yesterday by the ORWG. The EOP has been updated and is in final review by SPP Staff. The updated plan will be posted soon.

John Stephens pointed out that we may need to invoke the plan next week. Don Shipley is confident that we can operate and maintain reliability in our footprint. We need the input from the ORWG and GECTF to keep us on the right path. The timeline changes that are being proposed are economic. CJ Brown added in that he would like to prepare for is the conversation where we need to explain how we're going to do things, and what will be done in advance instead of in real time. Down-stream impacts need to be considered.

Rob Janssen hoped we would take 3 or 4 strides forward in the process over the last year. He doesn't think that the strides were all met. The version MPRR 189 process took 4 months or more, which just said to follow the EOP. The coordination and communication is taking longer than expected.

If the SPP BA is having capacity issues, SPP will use the EEA process. There may be a fuel restriction/gas supply issue in our footprint while the SPP region can remain whole, and that will be handled outside of the EEA process until the EEA is needed. We will be looking at the transmission grid and balancing and capacity.

Ron Gunderson mentioned the deliverability in the available capacity in the footprint. Don Shipley said there are deliverability components to the EEA process to the point of a local deficiency. We look at constraints 7 days out. We look closer at constraints for day ahead. As a whole if we are having 7 day discussions with a pipeline, we are taking local areas into consideration; based on submitted resource plans – which may not take into consideration fuel shortages 7 days out. We are hoping the conversations with the pipelines will give us a feel for the GOP concerns and lead us to ask the questions. We will need the interaction with the GOP to gauge confidence in the resource plans to make sure we have correct information. Ron Gunderson asked if it could be withheld from the resource plans 7 days out. It would be in a reliability status or held out. The GECTF is working with the MWG.

Rob Janssen mentioned MPRR 214, recovery of cost based on resource plan changes. Rob mentioned that in the MDRA, unless you are a long lead time you are not considered in that process. In adverse winter weather conditions, gas units are really long lead time resources in order to procure fuel. As a gas facility operator, Dogwood does better as a 2 day ahead. He is proposing notice 3 days ahead, lead time of 2 days ahead for gas procurement. The volatility of gas prices make cost recovery important as a discussion. The PJM/Duke situation, with a big loss because their unit(s) didn't get run after a large gas purchase. He has been told that SPP Staff says that situation won't happen based on the marketplace process. There is no documentation to support this at this time.

RUC has the short lead time resources included, clarification by CJ Brown. Under normal operating conditions these won't be touched because they will be picked up closer to real time.

If you know you can't get the fuel, put in the CROW outage. If you're not sure, that's where it is tricky. The communication is needed during this situation. There isn't a good way to put "maybe" in as a status.

Carrie Simpson said there is a plan for an MPRR in November. If in Conservative Operations, committing resources out of MDRA that normally wouldn't. We will not decommit the resource and keep the members whole. In a Min Gen situation, we would be able to turn a unit off if a forecast changed is drastic enough that we committed someone for a Conservative Operations; as an exception. The protocols may not be approved until January, but the processes within SPP Operations are in place enough to do this.

The ORWG has been requested to provide acceptance of the Multi-Party Communication language. The language was approved later in the day.

Jake Langthorn commented that we need appropriate discussions related to conservatism and not reliability at any cost. Ron Gunderson said if being conservative, it should be on the side of reliability.

Ron Gunderson supports the concept of giving out information for conservative operating modes. Notification to the footprint with expectation of issues, limit maintenance, increase awareness. Nothing was sent out in March for the event; though it would have been a good opportunity.

Ron Janssen mentioned from the MOPC meeting, there has been work on strategic plan items and work plan assignments. See the next section for details provided by Lanny Nickell.

Danny McDaniel asked about the gas day changes. Jake Langthorn responded that the gas day won't line up with the electric day. The GECTF presented a proposed timeline change, not looking for approval, but providing a scope and some discussion for comments for the Nov 28<sup>th</sup>. The GECTF will update MOPC in January and the ORWG will be part of that review process. A full formal approval was not requested before the MOPC due to time. The timeline proposed change causes SPP to sacrifice some of the forecast accuracy.

This winter SPP will be talking with the three pipelines. There are 8 across our region. The 3 major ones make up the ~60%, the rest are trying to be reached. None have declined to participate.

Steve Gaw asked if the GECTF has a list of all the issues that the group is studying. The GECTF List of Issues information will be brought closer to the surface on the website.

*Break until 11:18.*

#### **EPA Discussion (Lanny Nickell)**

Lanny Nickell joined the group and provided information related to the EPA's Clean Power Plan. The information was gathered in the spring of 2014. SPP did two scenarios of study based on a removal of approximately 9000 MW. One if no new generation was added, the other included the expected

generation changes. In the first there was almost 5000 MW deficiency, the second had many overloaded areas.

Rob Janssen provided a description of how the item became a strategic plan item. Jason Smith's group were performing studies, but no stakeholders were reviewing the results. It was determined that the ORWG would be a good place to focus the discussion.

Currently joint ownership with TWG and ORWG, with ORWG focusing on the reliability aspects. TWG has responsibility for reliability based on the planning perspective. There is a gap between the planning arena and the ORWG (7 days out and closer). The group typically looks to the TWG for longer term than 7 days. Information needs to be generated and publicized before going out to the EPA and other areas. MATS extensions allow for additional units being modified. Individual generators have been assessed because of requirements, but as a whole the impact to SPP stakeholders have not been assessed completely. Jason Smith stated that their analysis started about 3 years ago, with reports back to the MOPC a couple times but no issues were found. The data available doesn't include enough real information, since it was based on planned outages. The 80% of outages submitted within two weeks of coming offline; these aren't useful for the requested analysis. It is trying to become useful based on subjective changes to what is being analyzed.

Greg McAuley suggested that in his company the studies of this nature would be done by planning groups and they would use him as a sounding board. Ron Gunderson said he used to be involved in a unit retirement committee which approved/disapproved and performed reliability studies to show if a unit's retirement would impact the system negatively. One suggestion is to create a Resource Planning Working Group.

The specifics are needed for the units and the locations for this group to do any evaluation. Ron Gunderson asked how many are MATS and how many are CPP? Lanny was unsure of the split. CASPR is potentially Jan 1, which takes it out of the planning arena. The ORWG should focus on changes in Operations based on these environmental changes. Greg suggested a task force with member representation for each of the areas that will be able to focus on this type of planning and study.

Lunch break 12:26 until 1 p.m. Moving to the auditorium for the rest of the day.

#### **Agenda Item 12 – NERC Activity/Standards Update (Allen Klassen)**

TOP-001 coming up for a vote soon. They had a good call recently. There is still valid feedback but are up against the deadline so the batch of comments will go to FERC soon. Each will have to decide if the concerns are enough to propose not passing the standard. "Sustained" and "Momentary" are in the proposed language, now there is a question of what those words mean. It is an improvement although this and most other NERC standards are not perfectly worded. The other 8 have passed. The vote is due next week.

#### **Agenda Item 13 – Other Items**

##### **Multi-Party Communication**

Requesting a review and that no issues were found. Should Transmission be included in the information? Does transmission operators apply to electric only or both electric and gas? The ORWG reviewed and supports this approach.

**Darrel Yohnk moved to support the proposed multi-party communication document and language. Allan George seconded the motion. The motion passed unanimously.**

### **Reactive Supply in a Non-Emergency Situation**

The standards of conduct applies even more now that most operators are closer to the market. This is in coordinated with the SPP RC.

SPP creates an op guide that explains situations. This helps with changes in units, etc... real time changes that are needed, that may be flagged by market monitoring.

Voltage has been identified and communicated that it is a local issue and should be handled by the local area. They are self-committing units for reactive support. In different settlement areas with more market participants, it may have more impact. If you call SPP and have SPP put it on it is put in as SPP Local and still ends up being settled in the local area. If self-committed, you are taking on the whole responsibility. For some areas the cost may need to be shared among multiple entities. Greg says they use the cost difference in relationship with an Op Guide to help explain things to their customers.

Jason Smith and Kathy Myhand to work to develop a written procedure for managing local problems (commitments for voltage). Day ahead voltage issues will be in this same process, too. If SPP sees it, we can manually commit a unit to address it, as SPP Local. If on a distribution level, we will do the commitment, as a TOP Local.

### **Agenda Item 14 – ORWG Meeting Schedule (All)**

Jason Smith will be transitioning in February 2015 into Robert Rhodes position when he retires.

- 12/4/2014 WebEx (Thurs) 0930-1200
- 1/8/2015 WebEx (Thurs) 0930-1200
- 2/5/2015 WebEx (Thurs) 0930-1200
- 3/4-5/2015 Face-to-Face (TBD) Denver continues to be a possibility.)
- 4/2/2015 WebEx (Thurs) 0930-1200
- 5/7/2015 WebEx (Thurs) 0930-1200
- 6/3-4/2015 Face-to-Face (TBD)
- 7/7/2015 WebEx (Tues) 0930-1200
- 8/6/2015 WebEx (Thurs) 0930-1200
- 9/2-3/2015 Face-to-Face (TBD)
- 10/8/2015 WebEx (Thurs) 0930-1200
- 11/5/2015 WebEx (Thurs) 0930-1200
- 12/3/2015 WebEx (Thurs) 0930-1200

### **Agenda Item 15 - Summary of Action Items (Kathy Myhand)**

Kathy Myhand reviewed the action items. See the list on the separate page.

**Agenda Item 16 - Adjourn (Jim Useldinger)**

Jim Useldinger adjourned the meeting at 1:46 p.m.

Respectfully Submitted,

Jason Smith  
Secretary

Attachments:  
Attendance



Operating Reliability Working Group

Meeting Attendance: 11/5-6/2014

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

Day 1	Day 2		Name	Status	Company
x	x	1	Allan George	M - ORWG	Sunflower Electric Power
x	x	2	Allen Klassen (Vice-Chair)	M - ORWG	Westar Energy
x	x	3	Danny McDaniel	M - ORWG	CLECO
x	x	4	Darrel Yohnk	M - ORWG	ITC Great Plains
x	x	5	Dennis Sauriol	M - ORWG	American Electric Power
x	x	6	Gregory McAuley	M - ORWG	Oklahoma Gas & Electric
x	x	7	Jim Useldinger (Chair)	M - ORWG	Kansas City Power & Light
x	x	8	John Stephens	M - ORWG	City Utilities of Springfield Missouri
x	x	9	Kyle McMenamin	M - ORWG	Xcel Energy (SPS)
x	x	10	Mike Wech	M - ORWG	Southwestern Power Administration
x	x	11	Paul Lampe	M - ORWG	City of Independence
x	x	12	Ron Gunderson	M - ORWG	Nebraska Public Power District
x	x	13	Steve Haun	M - ORWG	Lincoln Electric System
x	x	14	Walter (Todd) Gosnell	M - ORWG	Omaha Public Power District
	x	15	Jake Langthorn	M-GECTF Chair	Oklahoma Gas & Electric
	x	16	Amber Metzker	M-GECTF Vice Chair	Xcel Energy
	x	17	Amy Jeffries	M-GECTF	Public Service Company of Oklahoma
	x	18	Dirk Dietz	M-GECTF	Nebraska Public Power District
x	x	19	Rob Janssen	M-GECTF	Dogwood Energy, LLC
	x	20	Bryan Feemstr	G	City Utilities of Springfield
x	x	21	Bryn Wilson	G	Oklahoma Gas & Electric
x	x	22	Carla Fitzpatrick	G	Omaha Public Power District
x		23	Craig Speidel	G	Western Area Power Administration
x	x	24	David Pham	G	Empire District
x	x	25	Denny Fales	G	Kansas City Power & Light Company
	x	26	Dick Kahle	G	Lincoln Electric System
	x	27	Don Hargrove	G	Oklahoma Gas & Electric
x		28	James Lewis	G	Noble Great Plains Windpark LLC
x	x	29	Jason Fix	G	Lincoln Electric System
x		30	Jason Minalga	G	Prairie Breeze Transmission
	x	31	Jessica Tomlinson	G	
	x	32	Jim Fort	G	The Energy Authority
x	x	33	Jim Jacoby	G	American Electric Power
	x	34	John Boshears	G	City Utilities of Springfield
	x	35	John Tennyson	G	City Utilities of Springfield
x		36	Jordan Schmick	G	Xcel Energy
	x	37	Kevin Foflygen	G	City Utilities of Springfield
	x	38	Kim Sullivan	G	
	x	39	M. Gaunder	G	
x		40	Michael Erbrick	G	DHastCo
	x	41	Michael Moffet	G	
	x	42	Mike Grimes	G	EDP Renewables
x		43	Mike Wherburg	G	
	x	44	Mitchell L Williams	G	WFEC
x		45	Omar Martino	G	
x	x	46	Robert Hirchak	G	CLECO
x	x	47	Robert Safuto	G	Customized Energy Solutions
	x	48	Sheldon Hunter	G	
x		49	Steve Gaw	G	The Wind Coalition
x	x	50	Terry Gates	G	American Electric Power
	x	51	Tom Mayhan	G	Omaha Public Power District



Operating Reliability Working Group

Meeting Attendance: 11/5-6/2014

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

x		52	Trent Carlson	G	
x	x	53	Carl Stelly	S	Southwest Power Pool
x	x	54	Carrie Simpson	S	Southwest Power Pool
x		55	Dan Epperson	S	Southwest Power Pool
x	x	56	Greg Sorenson	S	Southwest Power Pool RE
x	x	57	Jason Smith, Secretary	S	Southwest Power Pool
x	x	58	Jason Tanner	S	Southwest Power Pool
x	x	59	Kathy Myhand	S	Southwest Power Pool
	x	60	Les Dillahunty	S	Southwest Power Pool
x	x	61	Margaret Adams	S	Southwest Power Pool
x	x	62	Neil Robertson	S	Southwest Power Pool
	x	63	Patrick deLassus	S	Southwest Power Pool
x		64	Raleigh Mohr	S	Southwest Power Pool
x	x	65	Will Tootle	S	Southwest Power Pool