

**SOUTHWEST POWER POOL  
ELECTRIC STORAGE RESOURCE STEERING COMMITTEE MEETING**

Conference Call/WebEx – May 17, 2021

## **SUMMARY OF MOTIONS AND ACTION ITEMS**

1. Educate ESRSC on the ESR White Papers approved by the MOPC.
2. SPP Staff to discuss with MISO their treatment of Storage as Transmission Only Asset in regards to thermal issues.
3. SPP Staff to modify the Storage as Transmission Only language to include clarity about the storage usage in an emergency and parse the existing language to be consistent with SPP's practice of Tariff versus other controlling documents.
4. ESRSC to further discuss and resolve the gap between ORWG and SAWG needs for capacity and storage impacts on reliability (Storage Whitepaper item C3 regarding limits for storage as capacity resources).

## **MINUTES**

### **AGENDA ITEM 1 – ADMINISTRATIVE ITEMS**

SPP Chair Denise Buffington called the meeting to order at 8:00 a.m. All ESRSC representatives with the exception of Richard Ross (MWG representative) and Heather Starnes (MJMEUC) were present.

### **AGENDA ITEM 2 – APPROVAL OF MINUTES**

Allen Klassen (ORWG representative) motioned, seconded by Matt Pawlowski (NextEra), for approval of minutes as drafted. Minutes were unanimously approved.

### **AGENDA ITEM 3 – REVIEW OF ACTION ITEMS**

Action items from the March and April ESRSC meetings were reviewed and updates included in the action item list. Most items were addressed as agenda items of the May ESRSC meeting.

#### **AGENDA ITEM 4 – HYBRID GENERATION**

Eddie Watson and Daniel Harless of SPP staff presented on efforts to include hybrid generation in planning and operations activities. A revision request for operation of a hybrid market resource is planned for the July 2021 ESRSC meeting.

#### **AGENDA ITEM 5 – TRANSMISSION AND STORAGE**

Joshua Pilgrim (SPP) reported that the transmission analysis processes in the Storage Whitepaper (items Tx1, Tx3, Tx4-8) do not appear to conflict with the direction of the revision request. Further attention to these processes will be paid as the revision request develops.

Joshua Pilgrim also reviewed the straw proposal for a Storage as Transmission Only revision request. Suggestions from the ESRSC are to include more details about storage usage during an emergency and to begin separating the MISO style Tariff material to become consistent with SPP Tariff and other controlling documents.

#### **AGENDA ITEM 6 – CAPACITY ACCREDITATION**

Chris Haley (SPP) reviewed the progress on developing a draft revision request for ESRSC review on the use of the Effective Load Carrying Capability (ELCC) for establishing capacity of storage facilities. The ORWG and SAWG need direction from the ESRSC regarding limits on the amount of storage to be considered in meeting capacity responsibilities.

#### **AGENDA ITEM 7 – NERC ESR ACTIVITIES**

Shannon Mickens (SPP) reviewed the current NERC activities regarding storage.

#### **AGENDA ITEM 8 – ESR DOCUMENTS**

Due to time constraints, the review of the Master List and ESR Initiative Folder will be included in the next meeting.

#### **NEXT MEETING**

June 23, 2021 - Conference/Webex

#### **ADJOURNMENT**

Denise Buffington adjourned the meeting at 11:55 a.m.

Respectfully Submitted,

Richard Dillon  
Secretary

Working Group Action Items								
Action Item	Org Group	Origin Date	Action Item	Update Summary	Status (Not Started, In Progress, Closure Pending, On Hold, Closed)	Owner	Comments	Date Closed (M/DD/YY)
1	ESRSC	03/13/20	Staff is to distribute MISO Storage as Transmission Only FERC Order	03/16/20: Material distributed	Closed	Staff		04/02/20
2	ESRSC	03/13/20	Staff is to distribute link to DC Circuit Court case on Order 841	03/16/20: Material distributed	Closed	Staff		04/02/20
3	ESRSC	03/13/20	Staff to develop prioritization straw proposal of policy decisions	03/31/20: Completed and distributed	Closed	Staff		04/02/20
4	ESRSC	04/02/20	Staff to discuss with planning model vendors how other RTOs have resolved the issue of reconciling an electric storage resource duration with the planning model scenario requirement.	04/29/20: Discussions with Astrape did not find solutions from other RTOs at this time.	Closed	Staff		04/30/20
5	ESRSC	04/02/20	Staff is to update the steering committee on the MOPC action item of behind-the-meter generation.	04/27/20: SPP staff is planning to develop a straw proposal regarding the possibility of establishing exceptions to the Tariff's Network Load reporting requirements (as PJM did several years ago) and bring it to the stakeholders in coming months. At this point, we do not have a schedule for rolling out that proposal as we have been focused on implementation of the HITT initiatives and other current projects.	Closed	Staff		04/30/20
6	ESRSC	05/28/20	Send out the organizational spreadsheet used by the ORWG		Closed	Allen Klassen		08/16/20
7	ESRSC	05/28/20	Check status on multi-use storage decision by SPC	SPC is forming task force	Closed	Staff		08/16/20
8	ESRSC	06/18/20	SAWG to discuss whether Loss of Load Probability should be added to analysis and assist in resolution of item TX1. To use both LOLE and LOLP in evaluation of storage to meet transmission issues. (LOLP assists in the time-of-use concerns).	January 2021 SPC directed that multi-use be put on hold indefinitely. Therefore, this item is being closed	Closed	TWG	Present at next meeting a recommendation from the joint meeting of staff and chairs on TX1. This appears to be a concern primarily for multi-use storage. Therefore, the SPC decision about supporting multi-use would be necessary prior to further consideration	01/01/21
9	ESRSC	08/06/20	List the task teams for ESWG, ORWG and TWG and contact information to join the distribution list for meetings		Closed	Staff	Posted in the ESRSC documents as "Task Teams established to work on ESR policy goals.docx"	09/10/20
10	ESRSC	08/06/20	NEW POLICY CONCERN - Evaluate the impact of transmission only storage usage on LMP			MWG	MWG AI410 - Market Design staff will incorporate this policy concern into the research and analysis of SIR 30 (HITT S3: Energy Storage Resources & ESR Phase 2 (Phase 1)) and will ensure coordination occurs as needed with the ESRTF.	09/10/20
11	ESRSC	09/10/20	NEW POLICY CONCERN - MISO implementation considers storage as transmission only after other solutions are considered. Storage as transmission cannot be used for congestion reduction at MISO. SPP needs to determine if this type of decision matrix should be implemented.	Direction of ESRSC is to draft an SPP SATOA from the MISO filing. See item 18	Closed	SPC Task Force		03/15/21
12	ESRSC	09/10/20	Schedule a workshop to coordinate the policy decisions		Closed	Holly Carrais/Richard Dillon/Staff/SPC	Scheduled for December 14	11/12/20
13	ESRSC	10/22/20	Track Revision Request deliveries to MOPC related to the ESR	Process change in February 2021 routes Revision Requests through ESRSC prior to MOPC	Closed	Staff		03/15/21
14	ESRSC	10/22/20	MWG to determine what information is necessary to move forward with TX9			Richard Ross/Erin Cathey		
15	ESRSC	10/22/20	Include chair of SPC ESR task force in meeting invitation		Closed	Richard Dillon		11/12/20
16	ESRSC	10/22/20	Send out proposal for additional coordination at the ESRSC for working groups		Closed	Jason Tanner	Sent 10/23	11/12/20
17	ESRSC	11/12/20	NEW POLICY - Add a new deliverable for the criteria by which a storage will be considered transmission facility (N-0, N-1, N-2)	Follow up action items on the impact of the timing of this decision and note that the earliest MOPC would be April 2021	In Progress	ESRSC		
18	ESRSC	03/15/21	SPP staff prepare a draft Revision Request based on the MISO Storage as Transmission Only (SATO) filing for review in the next ESRSC meeting.	Initial straw draft presented in 4/26/21 meeting	In Progress	ESRSC		
19	ESRSC	03/15/21	SPP staff evaluate the whitepapers for item Tx1 and E1 (modeling storage in planning models) for conflicts with the storage as transmission only Revision Request for the next ESRSC meeting.	5/17/21 - SPP staff has evaluated the whitepapers for items Tx1 and E1 for conflicts with the storage as transmission only Revision Request and at this time has not found any noted conflicts. Joshua Pilgrim will continue to review in regards to the development of the revision request.	In Progress	Staff		
20	ESRSC	03/15/21	SAWG and Staff to develop Revision Request for ELCC capacity accreditation of ESR	5/17/21 - Chris Haley (SAWG Secretary) updates ESRSC on status. Revision Request in progress.	In Progress	SAWG		

21	ESRSC	04/26/21	Discuss with CAWG status of costs for SATOA	5/17/21 - Lee Elliot (CAWG Secretary) updates ESRSC on status. Expected to be complete in the July RSC meeting	Complete	Staff		05/17/21
22	ESRSC	04/26/21	Analyze FERC Order and FERC and MISO comments on Technical Conference for MISO SATOA of what should be included in the Tariff.		In Progress	Staff		
23	ESRSC	04/26/21	Include a briefing of NERC activities in 5/17 ESRSC meeting	5/17/21 - Shannon Mickens (SPP) updates ESRSC	Complete	Staff		05/17/21
24	ESRSC	04/26/21	The final Storage as transmission only revision is to include the guidelines for usage of the storage as transmission		In Progress	ESRSC		
25	ESRSC	05/17/21	Educate ESRSC on the ESR White Papers approved by the MOPC					
26	ESRSC	05/17/21	SPP Staff to discuss with MISO their treatment of Storage as Transmission Only Asset in regards to thermal issues.		In Progress	Staff		
27	ESRSC	05/17/21	SPP Staff to modify the Storage as Transmission Only language to include clarity about the storage usage in an emergency and parse the existing language to be consistent with SPP's practice of Tariff versus other controlling documents.		In Progress	Staff		
28	ESRSC	05/17/21	ESRSC to further discuss and resolve the gap between ORWG and SAWG needs for capacity and storage impacts on reliability (Storage Whitepaper item C3 regarding limits for storage as capacity resources)			ESRSC		