

**Southwest Power Pool
Supply Adequacy Working Group
Net Conference Meeting**

July 28, 2022 8 am – 3 pm : July 29, 2022 8:30 am – 12 pm

Summary of Motions and Action Items

1. Motion: To approve ESR ELCC Study Scope

1st - Tom Hestermann

2nd - Nate Jones

Vote Passed:

- Yes - Nineteen (19)
- No - Zero (0)
- Abstention - One (1) by AEP

2. Motion: To approve the RR 499 Document with Desk Edits as proposed (via an email vote)

1st - Rob Janssen

2nd - Natasha Henderson

Vote Passed Unanimously:

- Yes - Nineteen (19)
- No - Zero (0)
- Abstention - Zero (0)

Meeting Minutes

Day 1 - July 28, 2022

Member Attendance

Aaron Castleberry	Oklahoma Gas & Electric
Aaron Ramsdell	Basin
Nate Jones (Proxy) for Adam Graff	Heartland
Amy Newton	City Utilities of Springfield
Chris Whiteside (Proxy) for Ben Elsey	XCEL Energy
Brian Berkstresser	Liberty Utilities
Colton Kennedy	Omaha Public Power District
David Sonntag	Western Farmers Electric Cooperative
Eric Alexander	GRDA
Ernesto Perez	GDS Associates, Inc.
Jeffrey Plew	NextEra Energy Resources
Jim Fehr	Nebraska Public Power District
Jim Jacoby	American Electric Power
Curt Kunkel (Proxy) for Jodi Knutson	WAPA
John Varnell	Tenaska
Rob Janssen	Dogwood
Natasha Henderson	Golden Spread Electric Cooperative
Tim Cerveny	NMPP Energy
Tom Hestermann	Sunflower Electric Power Corporation
Tom Saitta	KMEA

Administrative Items

1. SAWG Chair, Natasha Henderson, called the meeting to order at 8 am on the July 28, 2022
2. The draft agenda was reviewed and approved
3. Notice of Quorum

NERC Compliance Update

Matthew Harward gave an update on the latest NERC Compliance for Project 2021-07 “Extreme Cold Weather Grid Operations, Preparedness and Coordination” as well as Project 2022-03 “Energy Assurance with Energy Constrained Resources”. Members mentioned the fact that we need to strongly consider how units in more than one market are going to be treated and how they will submit. They also said that aligning the different processes should be considered to ease the process and limit the submissions/time to submit.

Highlights of Presentation

1. Project 2021-07 “Extreme Cold Weather Grid Operations, Preparedness and Coordination”
 - Phase 1 due to NERC board by September 30, 2022
 - Phase 2 due to NERC board by September 30, 2023
2. Project 2022-03 “Energy Assurance with Energy Constrained Resources”
 - NERC white paper “Ensuring Energy Adequacy with Energy-Constrained Resources”
 - <https://www.nerc.com/comm/RSTC/ERATF/ERATF%20Energy%20Adequacy%20White%20Paper.pdf>

IRATF RPA 2.3

Garrett Crowson presented an update on the IRATF RPA 2.3 which is to review and discuss recommended data and report design on measuring real-time availability to resource adequacy and stakeholder groups. Members voiced concern about the statement “Operations recommends utilizing such availability measured by RPA 2.3 in Resource Adequacy, whether integrated into LOLE or performance based accreditation methods”. Members wanted more information before taking to the IRATF. They wanted to know: How the report will be used? What the report will look like? How do we keep confidentiality of the report/values being presented? Members also thought it may be best to compare the LOLE values being used as the reference point vs using the accredited value. The members also wanted to change/modify some of the bullet points being used on slide 6. A member said to use the accredited value divided by the EcoMax to get the Availability and Availability %. Then use this Availability and Availability % to compare with the LOLE availability in our study processes. SAWG members had an issue with Operations staff only recommending implementing measures into the Resource Adequacy process and not implementing measures to fix the market/operations side. Next steps for this report are to construct the final report and submit to IRATF for approval.

IRATF RPA 2.4

Daniel Harless presented an update for the Incentive discussion for Market Registered Resource capacity Accreditation. Seeking feedback from SAWG and other working groups before providing feedback to the IRATF in August.

Highlights of Presentation

1. Why is the full accreditation value not being offered into the market?
2. Understanding Reasons for Unavailability
3. What can be done by the Market participants to improve availability?
4. Resource Adequacy Deficiency Charge
5. De-Rate Capacity Accreditation

RR 499 Section 7.1 Planning Criteria Testing Requirements (Approval Item)

Staff presented this new RR for modifying Section 7.1 of the Planning Criteria for Capability and Operational testing. Added SPS’s comments into this RR. Made modifications to Section 7.1.9 “Fuel Supply”. Members did not feel that this section was still valid and needed to be modified or removed. Motion received to approve the RR document as a whole with the desk edits proposed (See Summary of Motions and Action Items above).

2022 ELCC Storage Study Scope (Approval Item)

Staff presented the Effective Load Carrying Capability Energy Storage Resource Study Scope. Motion received to approve the study scope (See Summary of Motions and Action Items above). Members wanted to know the solar siting technique by the ITP and ESWG. SPP to bring back a quick overview on how the Solar Sites are determined as well as the assumptions being made for the sites. Overview to come at the August SAWG meeting. Some assumptions mentioned on the solar sites are 125%, single axis tracking, and cloud cover. Next steps are to use the solar sites for the 2023 LOLE Study.

ESRSC (HITT) Item C3 Analysis

Staff presented the ESRSC (HITT) C3 Analysis Results. This Analysis was to determine the maximum amount of ESRs for Resource Adequacy when given certain amounts of retirements or how much ESR capacity could be included in each Resource Adequacy portfolio. Next steps are to take the results to the ORWG, gather their feedback, then take ORWGs feedback back to the SAWG. May need a ORWG and SAWG combined meeting

Highlights of Presentation

1. 1-in-10 LOLE observed at 3,855 MW ESR Nameplate at 12 GW Negative Generation of Removal
2. 1-in-10 LOLE observed at 11,781 MW ESR Nameplate at 15 GW Negative Generation of Removal
3. 1-in-10 LOLE observed at 19,398 MW ESR Nameplate at 16.5 GW Negative Generation of Removal
4. 1-in-10 LOLE cannot be achieved using only ESR at 18 GW Negative Generation of Removal

Administrative Items

1. Natasha Henderson adjourned the meeting at 3 pm on July 28, 2022

Day 2 - July 29, 2022

Member Attendance

Aaron Castleberry	Oklahoma Gas & Electric
Aaron Ramsdell	Basin
Nate Jones (Proxy) for Adam Graff	Heartland
Amy Newton	City Utilities of Springfield
Chris Whiteside (Proxy) for Ben Elsey	XCEL Energy
Brian Berkstresser	Liberty Utilities
Colton Kennedy	Omaha Public Power District
David Sonntag	Western Farmers Electric Cooperative
Eric Alexander	GRDA
Ernesto Perez	GDS Associates, Inc.
Jeffrey Plew	NextEra Energy Resources
Jim Fehr	Nebraska Public Power District
Jim Jacoby	American Electric Power
Curt Kunkel (Proxy) for Jodi Knutson	WAPA
John Varnell	Tenaska
Rob Janssen	Dogwood
Natasha Henderson	Golden Spread Electric Cooperative
Tim Cerveny	NMPP Energy
Tom Hestermann	Sunflower Electric Power Corporation
Tom Saitta	KMEA

Administrative Items

1. Natasha Henderson called the meeting to order at 8:30 am on the July 29, 2022
2. Notice of Quorum

Surplus Capacity Accreditation discussion

Discussion was pushed to the August SAWG Meeting

Demand Response Accreditation Plan

Staff presented the results of the Demand Response survey. Discussed results were submitted by member companies MEAN, OGE, WFEC, Independence Power and Light, OPPD, SPS, MRES, AECC, NPPD, and LES. The topics include: program type, market registration, load size, duration, program restrictions, and notification time. This led to a discussion of the accreditation methods that could potentially be used for accrediting demand response programs for Resource Adequacy. Charles Hendrix brought up a potential idea about a methodology involving a point system. This method will be a discussion item for the August SAWG meeting. Think about adding the Non-Controllable/Dispatchable Demand Response line item to the June Report on an individual LRE and SPP levels.

2023 LOLE Study Scope Kickoff

Staff presented a list of improvement considerations to the LOLE study. Staff also presented the objective, scope, and additional information for RPA 2.6, RPA 2.7 and FA 1.2. Suggestion is understand why we used Efor instead of Eford for the LOLE study. Efor is used for the economic commit when Eford is used for the commit all approach. It was also brought up about the small staff advisory group whether they were the correct input to have on the RPA 2.6, RPA 2.7 and FA 1.2 items. The small staff advisory group consists of Ben Elsey, Aaron Castleberry, Adam Graff, and Colton Kennedy. It was also brought up about potentially looking into different years of the LOLE study. The current year in the LOLE study looks at a year 2 and year 5. Astrape to present RPA 2.6/RPA 2.7/FA 1.2 at August SAWG meeting.



Annual June Report Review (2022)

Discussion was pushed to the August SAWG Meeting

Winter Season Resource Adequacy Requirement Discussion

Discussion was pushed to the August SAWG Meeting

PRM/PBA Next Steps Update

Discussion was pushed to the August SAWG Meeting

IRATF Initiative General Update

Discussion was pushed to the August SAWG Meeting

Administrative Items

1. Tom Hesterman adjourned the meeting at 12 pm on July 29, 2022

Respectfully Submitted,

Brad Payne

Secretary (In Training)