

Southwest Power Pool
Supply Adequacy Working Group
Face to Face Conference – Irving, TX (Tenaska Office)
July 20th: 8 am – 6:30 pm
July 21st: 8 am – 12 pm

Summary of Motions and Action Items

1. Motion: To approve the June 28-29, 2023 Meeting Minutes.
Motion made by Tom Hestermann.
Motion was 2nd by Aaron Castleberry.
The Motion **Passed** unanimously with zero abstentions.
2. Action Item: put a simple formula/equation for the Accredited Capacity PRM in the Business Practices Section.
3. Straw Poll #1: Language surrounding years/catastrophic outages
 - a. **Continue with current methodology: 5 Years with catastrophic outages moving to 10 Years of historical data (8 Votes)**
 - b. 10 Years of historical data with class averages (technology and fuel type) with no catastrophic outages exemption (6 Votes)
4. Straw Poll #2: Language surrounding years/catastrophic outages
 - a. Continue with current methodology: 5 Years with catastrophic outages moving to 10 Years of historical data (4 Votes)
 - b. **10 Years of historical data with class averages (technology and fuel type) with no catastrophic outages exemption (10 Votes)**
5. Action Item: Change ending to 5 pm and get new meeting posted. This is for August 23rd Meeting.
6. Action Item: Post John Varnell’s Presentation. Post Brooke Keene’s Presentation.
7. Action Item: change the name of PRM to something else. Keep Accredited Capacity PRM
8. Action Item: Set up a SAWG Net Conference for July 31st from 9 am - 11 am
9. Action Item: Get language changes for RR 554 and RR 568 ready to post by July 26th in time to post and vote on July 31st
10. Action Item: Rewrite the RR 554 language due to the removal of Catastrophic Outages

Meeting Minutes

July 20, 2023

Member Attendance

Aaron Castleberry	Oklahoma Gas & Electric
Aaron Ramsdell	Basin
McCord Stowater as Proxy for Adam Graff	Heartland
Amy Newton	City Utilities of Springfield
Ben Elsey	XCEL Energy
Brian Berkstresser	Liberty Utilities
Colton Kennedy	Omaha Public Power District
David Sonntag	Western Farmers Electric Cooperative
Tim Hooker as Proxy for Eric Alexander	GRDA
Ernesto Perez	GDS Associates, Inc.

Jeffrey Plew
Jim Fehr
Jim Jacoby
Jodi Knutson
John Varnell
Keaton Riddle
Steve Gaw
Tom Hestermann
Tom Saitta

NextEra Energy Resources
Nebraska Public Power District
American Electric Power
WAPA
Tenaska
Eversource
Advanced Power Alliance
Sunflower Electric Power Corporation
KMEA

Administrative Items

1. SAWG Chair, Colton Kennedy, called the meeting to order at 8:00 am on July 20, 2023
2. Notice of Quorum
3. The draft agenda was reviewed (may add the outage presentation at end of Day 2, if time permits)

Consent Agenda

Motion to approve the June 28-29, 2023 Meeting Minutes. Motion was made by Tom Hestermann. Motion was 2nd by Aaron Castleberry. The Motion **passed** unanimously with zero abstentions.

REAL Team Update

Each subgroup (Operations - Aaron Castleberry, Markets - Jeff Plew, and RA - Aaron Ramsdell) discussed items that are being included in their subgroups.

Operations - RAMP, Resource Retention, and Resource Outage Policy - Discussed a 4-hour and a 6-hour ramp requirement. RAMP options: requirement just for load, requirement due to load and renewable resources.

Markets - VOLL, Ancillary Service Products, E3 Overview

Resource Adequacy - PBA, ELCC, Demand Response, and Fuel Assurance - Discussed the recent straw polls

Performance Based Accreditation

Discussion surrounding the PBA RR especially about the OMC events and catastrophic outages. Changed the start date to 2033 due to not having a full 10 year data set in 2032. Discussion about two PRM terms in the language (PRM and Accredited Capacity PRM). Do we need to change the PRM term to something else? Discussion surrounding section 5.1.2 and whether or not we can clean up this language because it is unclear/creating some confusion. Need to look into Section 15.1.5 "synergistic relationships from the individual ELCC Studies" language to make sure this is needed/the correct terminology. For Section 15.2, look into combining sections 15.2.2 and 15.2.3. Language Edits made during the SAWG Meeting:

1. Section 7.3 of Attachment AA, added "resource technology and fuel type"
2. Section 7.5 of Attachment AA, added "resource technology and fuel type"
3. Add Accredited Capacity Planning Reserve Margin Definition
4. Should there be an "or" instead of "and" in the Accredited Capacity Definition
5. Add a Planning Reserve Margin Definition
6. Removed "(energy source of natural gas, petroleum, coal, nuclear, biomass, geothermal, or waste heat)" in Section 15.2.1 of Attachment AA
7. Removed "fuel" in Section 15.2.8 of Attachment AA

Action Item: change the name of PRM to something else. Keep Accredited Capacity PRM

Action Item: put a simple formula/equation for the Accredited Capacity PRM in the Business Practices Section.

Straw Poll #1: Language surrounding years/catastrophic outages

- a. **Continue with current methodology: 5 Years with catastrophic outages moving to 10 Years of historical data (8 Votes)**
- b. 10 Years of historical data with class averages (technology and fuel type) with no catastrophic outages exemption (6 Votes)

Voted to extend Day 1 meeting till 6:30 pm

ELCC

Discussion surrounding the RR 568 language. Lots of discussion surrounding Section 15 of Attachment AA. Modified some language in Section 15. Catastrophic Outages were a large talking point. Do we need to stick with catastrophic outages or can we remove these for ELCC? Look into removing Section 15.3 of Attachment AA. Language Edits made during the SAWG Meeting:

1. Section 15.1.2.1 of Attachment AA
 - a. Added the term "Firm". It now reads "...with Firm Point-to-Point Transmission Service..."
2. Section 15.1.4 of Attachment AA
 - a. Added the term "in accordance with the SPP Planning Criteria". It now reads "Tier 1 wind resources or solar resources will receive allocation, for each applicable season, based on the average production output of the individual resource during the top three percent (3%) Net Peak Load hours of the LRE in accordance with the SPP Planning Criteria"
3. Section 15.1.4 of Attachment AA
 - a. Added the term "in accordance with the SPP Planning Criteria". It now reads "Tier 2 resources will receive allocation, for each applicable season, based on the average production output of the individual resource during the top three percent (3%) Net Peak Load hours of the LRE in accordance with the SPP Planning Criteria"
4. Section 15.1.5 of Attachment AA
 - a. Added the language "on a pro rata basis according to the individual ELCC Studies". Removed the language "while maintaining the synergistic relationships from the individual ELCC Studies"
5. Section 7.1.6.2 of the Planning Criteria
 - a. Added the term "production output". Removed the term "performance data"

Administrative Items

4. Colton Kennedy adjourned the meeting at 6:30 pm on July 20, 2023

Meeting Minutes

July 21, 2023

Member Attendance

Aaron Castleberry	Oklahoma Gas & Electric
Aaron Ramsdell	Basin
McCord Stowater as Proxy for Adam Graff	Heartland
Amy Newton	City Utilities of Springfield
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
John Varnell	Tenaska
Keaton Riddle	Evergy
Steve Gaw	Advanced Power Alliance
Tom Hestermann	Sunflower Electric Power Corporation
Tom Saitta	KMEA

Administrative Items

1. SAWG Chair, Colton Kennedy, called the meeting to order at 8:00 am on July 21, 2023
2. Notice of Quorum

PBA and ELCC

Discussion about any last pain points for RR 554 or RR 568. What else needs to be looked at or changed before our meeting on July 31st. Discussion about Section 5.1.2 and the Firm Transmission Service obligation. Discussion about the PRM and Accredited Capacity PRM. Need to change the PRM term to something else. Look into adding information about performing the ELCC study in both summer and winter for wind/solar.

Straw Poll #2: Language surrounding years/catastrophic outages

- a. Continue with current methodology: 5 Years with catastrophic outages moving to 10 Years of historical data (4 Votes)
- b. 10 Years of historical data with class averages (technology and fuel type) with no catastrophic outages exemption (10 Votes)

Action Item: Set up a SAWG Net Conference for July 31st from 9 am - 11 am

Action Item: Get language changes for RR 554 and RR 568 ready to post by July 26th in time to post and vote on July 31st

Action Item: Rewrite the RR 554 language due to the removal of Catastrophic Outages

Demand Response

Update on the small groups progress on where we are with the process, some questions to ask, potential straw polls needed, etc. The small group has continuing down the ELCC route for DR programs. Discussion around the tiers of DR for ELCC and using DR as an accredited resource and not a load reducer. John Varnell presented his ideas and thoughts about the DR path. Do we need to go down the ELCC path or the PBA path? Also how is DR being used in the ELCC study and is that the correct model? Hope to take some straw polls in the August meeting. Will work in the DR small group

Next Demand Response small group meeting is July 28th from 10:30 am - 12 pm.

Action Item: Post John Varnell's presentation

Outage Presentation

Brooke Presented on the Operations subgroup meeting about Outages. This REAL subgroup is to facilitate policy recommendations regarding Outage Coordination methodology. There are 4 recommendations from this group:

1. Year-round outage process
2. Use GAP to approve outages (year-around)
3. For outages that can't be recalled: Quantify operational risk due to planned and maintenance outages and account for the risk in the PRM
4. Outage recall product: If an outage is approved, but emergency conditions occur then SPP will need a mechanism to recall those outages

Action Item: Post Brooke Keene's presentation

RR 549 Winter Season Resource Adequacy Requirement

Approved by SAWG on May 5, 2023. Approved by CAWG on June 6, 2023. Approved by RTWG on June 22, 2023. Approved by IRATF on June 26, 2023.

Approved by MOPC on July 10, 2023. MOPC added some new language to Section 4.0 of Attachment AA "The Transmission Provider will outline in detail the methodology used to conduct the LOLE studies as well as the methodology used determine the final PRM value based on those LOLE study results. Upon request, Transmission Provider will make available to stakeholders study assumptions and data required to conduct the LOLE studies with sufficient detail to replicate the Transmission Providers results."

Approved by the REAL Team on July 19, 2023. The REAL team changed two items: Administratively added a "to" into the first sentence and deleted the second sentence. The REAL language for Section 4.0 of Attachment AA is "The Transmission Provider will outline in detail the methodology used to conduct the LOLE studies as well as the methodology used to determine the final PRM value based on those LOLE study results."

Next steps is to take this RR to BOD and RSC on July 24-25.



Future Meetings

August 23, 2023 – Net Conference – 8 am – 4 pm

Action Item: Change ending to 5 pm and get new meeting posted

September 26 and 27, 2023 – Face to Face – Juno Beach, FL (Nextera Offices) – (Day 1: 8:30 am – 5:30 pm)
(Day 2: 8:30 am – 12:30 pm)

October 18, 2023 – Net Conference – 8 am – 4 pm

November 2023 – No Meeting

December 6 and 7, 2023 – Face to Face – Denver, CO (Xcel Energy Offices) – (Day 1: 8 am – 5 pm)
(Day 2: 8 am – 12 pm)

Administrative Items

3. Colton Kennedy adjourned the meeting at 12 pm on July 21, 2023

Respectfully Submitted,

Brad Payne

Secretary