

SOUTHWEST POWER POOL
Markets + Operations and Reliability Working Group
November 30th, 2023
Virtual Meeting
Recording Link [here](#), password: sRfpaFP2

MOTIONS:

1. **Agenda Item 3: Consent Agenda**

Motion: Ronald Moulton (WAPA) motioned to approve the November 15th MORWG Minutes. Raj Hundal (Powerex) provided the second. Motion carried unanimously.

2. **Agenda Item 4: BA Agreement**

Agenda Item 5: TSP Agreement

Motion: Libby Kirby (BPA) motioned to approve the BA and TSP agreement. The current language does not pose any reliability concerns, with the understanding that it will be further reviewed by the legal group and MDWG. If MDWG considers any changes that may pose a reliability related concern, they will send it back to the MORWG for review and endorsement. Twyana Blair (APS) provided the second. Motion was approved with two abstentions from Powerex and WAPA.

3. **Agenda Item 6c: Attachment D: Markets+ Transmission and Attachment A Section 8-8.3 Transmission Capacity Obligations**

Motion: Steve Szablya (PSCO) motion to approve Attachment D: Markets+ Transmission and Attachment A Section 8-8.3 Transmission Capacity Obligations language. Susan Manville (GPUD) provided the second. Motion carried unanimously.

4. **Agenda Item 7: Attachment A: Scarcity Pricing, Market Award Priority, and Reliability Back-Stop Solution**

Motion: Libby Kirby (BPA) motioned to approve Attachment A: Scarcity Pricing, Market Award Priority, and Reliability Back-Stop Solution language as modified. Susan Manville (GPUD) provided the second. Motion carried unanimously.

5. **Agenda Item 8: Uncommitted Supply Tariff Language**

Motion: Libby Kirby (BPA) motioned to approve Uncommitted Supply Tariff language. Steve Szablya provided the second. Motion carried unanimously.

Agenda Items that were endorsed:

Agenda Item 6:

- a. Attachment A, Sec. 7.11 Market Transmission Use
- b. Appendix 2 Market Transmission Use 9.8-9.9, and Appendix 2 Rate Template.
- c. Congestion Rent Language
- d. Section I: Common Service Provisions
- e. Attachment A: Addendum 1: Load Responsible Entity Attestation
- f. Attachment A: Section 6.2 (12) and 6.9-
 - i. 6.8 was not Endorsed

ACTION ITEMS:

Action Item: SPP Staff will provide reference materials for Flex Reserve calculations and Congestion Rent.

Action Item: SPP Staff will review Attachment A Section 4.24, specifically the rule that VERs must have a submitted Minimum of zero.

Action Item: SPP Staff will review Attachment A: Section 6.8 and determine who is responsible for submitting transmission outages.

Action Item: SPP Staff will provide feedback on how the market will manage situations where generation and/or transmission has an outage but is operating in real-time. These situations may create a scenario that keeps a unit from running, even though the line that is outage has flows in real-time.

MINUTES

AGENDA ITEM 1 – CALL TO ORDER, ATTENDANCE, AGENDA REVIEW

The Markets+ Operations and Reliability Working Group (MORWG) Chair, Chris Hofmann, called the meeting to order at 1035 a.m. CPT. The following members were in attendance or represented by proxy:

- Chris Hoffman (Chair) - Salt River Project (SRP)
- Libby Kirby (Vice Chair) - Bonneville Power Administration (BPA)
- Raj Hundal - Powerex Corp
- Shirley Eshbach - Tacoma Power (TP)
- Susan Manville - Grant Public Utility District (Grant PUD)
- Twyana Blair - Arizona Public Service (APS)
- Chris McDarment - Chelan County Public Utility District (CCPUD)
- Michael Houglum – Tristate Generation and Transmission Association
- Ronald Moulton – Western Area Power Administration

- Evan Sorrell – Puget Sound Energy
- Shawn Carlson – Basin Electric Cooperative
- Denton McGregor – Black Hills Energy
- Steve Szablya - Public Service Commission of Colorado (PSCo)

AGENDA ITEM 2 – ANTITRUST STATEMENT

Brad Johnston (SPP) presented the SPP antitrust statement.

AGENDA ITEM 3 – CONSENT AGENDA

Ronald Moulton (WAPA) motioned to approve the November 15th MORWG Minutes. Raj Hundal (Powerex) provided the second. Motion carried unanimously.

Motion: Ronald Moulton (WAPA) motioned to approve the November 15th MORWG Minutes. Raj Hundal (Powerex) provided the second. Motion carried unanimously.

AGENDA ITEM 4 – BA AGREEMENT REVIEW (APPROVAL)

AGENDA ITEM 5 – TSP AGREEMENT REVIEW (APPROVAL)

Emon Mahoney (SPP) presented the BA and TSP Agreement to the MORWG. The group was informed the legal group is still looking at the document and future changes may be applied. Shirley Eshbach (Tacoma Power) voiced concerns that the agreements do not specifically state the Market Operator will not be performing any reliability roles. Shirley also requested SPP provide items that will need to be added to the participating TSP's OATTs to accommodate M+. Ronald Moulton (WAPA) had concerns about item 10 and 14, which discuss applicable federal and state laws. Libby Kirby (BPA) asked questions about what groups would review the agreements after our review. The legal group, which is made up of MP+ entities, and the MDWG will review the agreements before they go to the MPEC.

Motion: Libby Kirby (BPA) motioned to approve the BA and TSP agreement. The current language does not pose any reliability concerns, with the understanding that it will be further reviewed by the legal group and MDWG. If MDWG considers any changes that may pose a reliability related concern, they will send it back to the MORWG for review and endorsement. Twyana Blair (APS) provided the second. Motion was approved with two abstentions from Powerex and WAPA.

- Powerex abstained because they did not have enough familiarity with the documents.

- WAPA abstained because they wanted the individuals on the legal group to review.

AGENDA ITEM 6 – TARIFF REVIEW AND ENDORSEMENT

The following language was for the MORWG to review:

- Attachment A, Sec. 7.11 Market Transmission Use: Carman Ruder (SPP) reviewed the language with the group. The group discussed and asked questions. No reliability concerns were raised and the language was endorsed.
- Appendix 2 Market Transmission Use 9.8-9.9, and Appendix 2 Rate Template: Carman Ruder (SPP) reviewed the language with the group. The group discussed and asked questions. No reliability concerns were raised and the language was endorsed.
- Attachment D: Markets+ Transmission and Attachment A Section 8-8.3 Transmission Capacity Obligations: Carman Ruder (SPP) reviewed the language with the group. The group discussed and asked questions.

Motion: Steve Szablya (PSCO) motion to approve Attachment D: Markets+ Transmission and Attachment A Section 8-8.3 Transmission Capacity Obligations language. Susan Manville (GPUD) provided the second. Motion carried unanimously.

- Congestion Rent Language – Jeff Spires (Powerex) reviewed the Congestion Rent Tariff language and definitions with the group. The group discussed and asked questions. No reliability concerns were raised and the language was endorsed.
- Section I: Common Service Provisions – Brad Johnston (SPP) reviewed the language with the group. The group discussed and asked questions. No reliability concerns were raised and the language was endorsed
- Attachment A: Addendum 1: Load Responsible Entity Attestation- Brad Johnston (SPP) reviewed the language with the group. The group discussed and asked questions. No reliability concerns were raised and the language was endorsed.
- Attachment A: Section 6.2 (12), 6.8 and 6.9: Brad Johnston (SPP) reviewed the language with the group. Concerns were raised over section 6.8 language stating the "Market Participants must submit transmission and generation outages to the Market Operator." This also brought up the question of who is submitting transmission outage data to the Market Operator. Bart McManus (BPA) brought up concerns about transmission lines in outage status impacting resources from coming online, even though the line actually has flow on it. No reliability concerns were raised with 6.2 (12) and 6.9, and the language was endorsed. 6.8 was not endorsed, and will be revisited at a future meeting.

Action Item: SPP Staff will review Attachment A: Section 6.8 and determine who is responsible for submitting transmission outages.

Action Item: SPP Staff will provide feedback on how the market will manage situations where generation and/or transmission has an outage but is operating in real-time. These situations may create a scenario that keeps a unit from running, even though the line that is outage has flows in real-time.

AGENDA ITEM 7 - ATTACHMENT A: SCARCITY PRICING, MARKET AWARD PRIORITY, AND RELIABILITY BACK-STOP SOLUTION

Kevin Morelock (Utiliticast) presented language from Attachment A 2.1.2.1-2.1.2.2, 2.3.1.2, 3.6-3.6.1 and Appendix 1. The group has reviewed the sections before, but additional language has been added for Scarcity Pricing, Market Award Priority and the requested reliability back stop solution that was required to be added with the Must Offer Obligation approval at the November 15th meeting. Steve Szablya (PSCO) had concerns over the reliability back-stop language (2.2.2 (b)) giving the Market Participant too much discretion to decline reliability commitments. Libby Kirby (BPA) presented modifications that BPA staff thought would be beneficial. The group discussed the proposed changes and agreed it was an improvement; Steve Szablya (PSCO) mentioned the modifications resolved his concerns. The modified sentence read as "Each Market Participant will be required to identify and make available such additional supply, as defined in the Markets+ Protocols, subject to the Market Participant's contractual rights and obligations and any operational limitations as determined by the Market Participant and/or participating BA."

Motion: Libby Kirby (BPA) motioned to approve Attachment A: Scarcity Pricing, Market Award Priority, and Reliability Back-Stop Solution language as modified. Susan Manville (GPUD) provided the second. Motion carried unanimously.

AGENDA ITEM 8 – UNCOMMITTED SUPPLY TARIFF LANGUAGE

Kevin Morelock (Utiliticast) presented language for Uncommitted Supply in Markets+. The group discussed and asked questions. There were parts of the language that used outdated terminology, and Kevin stated he would make those corrections.

Motion: Libby Kirby (BPA) motioned to approve Uncommitted Supply Tariff language. Steve Szablya provided the second. Motion carried unanimously.

AGENDA ITEM 9 – ATTACHMENT A SECTION 4.2.4 VARIABLE ENERGY RAMP LIMITATION LANGUAGE REMOVAL

Brad Johnston (SPP) presented Attachment A, Section 4.2.4 (b) to the group for a second look. The language has been approved, but the group had questions around the need for a ramp limitation on DVER resources. Some members felt like the limits should be set by each individual BA, not a blanket limit set by the MO. Steve Szablya (PSCO) stated if BA's had divergent limits, this may impact the transfer schedules in the market. The group discussed, but did not come to a resolution. It was decided that it will be revisited at the December meeting. Steve Szablya (PSCO) inquired about 4.2.4 (a), which states the Minimum Eco Limit of a DVER must be zero. Steve discussed older wind resources have operational limitations going to zero, and then ramped back up in a short amount of time.

Action Item: SPP Staff will review Attachment A Section 4.24, specifically the rule that VERs must have a submitted Minimum of zero.

AGENDA ITEM 10 – STOP LIGHT TRACKER

Due to timing constraints, this agenda item was not discussed.

AGENDA ITEM 11 – OPEN DISCUSSION AND GENERAL QUESTIONS

Libby Kirby (BPA) asked if there were any updates on market separation language. Brad Johnston (SPP) stated SPP staff is still working internally to craft something for the group to review in the near future.

AGENDA ITEM 12 – FUTURE MEETINGS

Motions and new action items are listed above. Future meetings are listed below.

[December 2023 MORWG Meeting](#)

Wednesday, December 13, 2023

- 9:00 a.m. – 4:00 p.m. PPT
- 10:00 a.m. – 5:00 p.m. MPT
- 11:00 a.m. – 6:00 p.m. CPT

Location: Net-Conference

ADJOURNMENT

Libby Kirby (Vice Chair) adjourned the meeting at 1709 CPT, Thursday, November 30th.



Minutes No. [[number in sequence]]

Respectfully Submitted – Brad Johnston MORWG Staff Secretary

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P	= By Phone	MORWG Meeting November 30, 2023 Attendance
X	= In Person	
*	= By Proxy	

MORWG Representatives

Day 1	Name	Company	Email
P	Chris Hofman (Chair)	Salt River Project (SRP)	Chris.Hofmann@srpnet.com
P	Brad Johnston(Secretary)	Southwest Power Pool (SPP)	bjohnston@spp.org
P	Steve Szablya	Public Service Commission of Colorado (PSCo)	steve.szablya@xcelenergy.com
	Jesse Waters	Tuscon Electric Power (TEP)	jwaters@tep.com
P	Libby Kirby (Vice Chair)	Bonneville Power Administration (BPA)	eakirby@bpa.gov
P	Mike Houghlum	Tri-State Generation and Transmission Association (TSGT)	moughlum@tristategt.org
P	Raj Hundal	Powerex Corp	raj.hundal@powerex.com
	Ryan Manzo	Arizona Electric Power Cooperative (AEPCO)	rmanzo@azgt.coop
	Scott Kaufmann	NV Energy (NVE)	scott.kaufmann@nvenergy.com
P	Shawn Carlson	Basin Electric Power Cooperative (BEPC)	scarlson@becp.com
P	Chris McDarment	Chelan County PUD	Chris.McDarment@chelanpud.org
P	Shirley Eshbach	Tacoma Power (TP)	SEshbach@cityoftacoma.org
P	Susan Manville	Grant Public Utility District (Grant PUD)	smanville@gcpud.org
P	Ronald Moulton	Western Area Power Administration-Desert Southwest Region (DSW)	remoulton@wapa.gov
P	Twyana Blair	Arizona Public Service (APS)	Twyana.blair@aps.com
P	Evan Sorrell	Puget Sound Energy	evan.sorrell@pse.com
P	Denton McGregor	Black Hills Energy	denton.mcgregor@blackhillscorp.com
	Adam Cornelius	Snohomish County PUD	accornelius@snopud.com
	Audrey Stevenson	Bonneville Power Administration (BPA)	acstevenson@bpa.gov
	Bart McManus	Bonneville Power Administration (BPA)	bamcmanus@bpa.gov
	Brian Gaarde	Salt River Project (SRP)	brian.gaarde@srpnet.com
	Cameron Reed	Puget Sound Energy	john.reed@pse.com
	Carman Ruder	Southwest Power Pool (SPP)	cruder@spp.org
	Chris Bultsma	Western Area Power Administration	bultsma@wapa.gov
	Chris McDarment	Chelan County PUD	chris.mcdarment@chelanpud.org
	Chris Siewert	Bonneville Power Administration (BPA)	cwsiewert@bpa.gov
	Dan Williams	The Energy Authority	dwilliams2@teainc.org

Andy Butcher	Bonneville Power Administration (BPA)
Audrey Stevenson BPA	Bonneville Power Administration (BPA)
Brad Parker	Liberty Utilities
Calvin Dacus	Black Hills Energy
Chris Siewert	Tuscon Electric Power (TEP)
Connie Westadt	Western Area Power Administration (WAPA)
david Pham	Stone Pigman
Denise Martin	Tuscon Electric Power (TEP)
Eric Raatz	Southwest Power Pool (SPP)
Erik Voice	Pudget Sound Energy
Evan Sorrell - PSE	Basin Electric Power Cooperative
Jason Mazigian BEPC	Southwest Power Pool (SPP)
Jerry Stone	Idaho Power
Johnson, Stefanie	Sisung Group
Kara Kolkman - WY PSC	Western Electricity Coordinating Council
Kathy Anderson	Salt River Project (SRP)
Kelli Schermerhorn SPP	Bonneville Power Administration (BPA)
Kristen Darden	NorthWestern Energy
Layne Brown	Southwest Power Pool (SPP)
Lorraine Piovesan	Customized Energy Solutions
Mai Truong BPA	Southwest Power Pool (SPP)
Nathan Hunt - NWE	Public Service Commission of Colorado (PSCo)
Neil Robertson	Nebraska Municipal Power Pool
Nicole Wagner	Bonneville Power Administration (BPA)
Paul Antony	Bonneville Power Administration (BPA)
Rob Gosselin Gosselin	Shumat and Associates
Scott Neu	Southwest Power Pool (SPP)
sean erickson	Western Area Power Administration (WAPA)
Steve Johnson (SPP)	Powerex
Susan Manville	Powerex
Todd Kochheiser BPA	Southwest Power Pool (SPP)
Todd Pence	Utilicast
Toni Williams BPA	Western Electricity Coordinating Council
Walt Shumate	Powerex
Wayne Camp	Salt River Project
Zea	Boneville Power Administration
Mariano Mezzatesta	Boneville Power Administration
Marisa Choate	Southwest Power Pool (SPP)
Matt Alvarado IUB	Iowa Utilities Board
Neil Robertson	Southwest Power Pool (SPP)
Nicole Wagner	Southwest Power Pool (SPP)
Paul Antony	Gabel Associates
Steve Gaw	Advanced Power Alliance
Todd Kochheiser BPA	Boneville Power Administration
Vincent Ching	Puget Sound Energy
Walt Shumate	Shumate and Associates
Wayne Camp	Utilicast

Sean Erickson	Western Area Power Administration (WAPA)
Carman Ruder	Southwest Power Pool (SPP)
Chris Bultsma	Western Area Power Administration (WAPA)
Edward Garvey	AES Consulting
Erik Voice	Salem Electric
Karilee Ramaley	Salt River Project
Kent Walter	Arizona Public Service (APS)
Layne Brown	Western Electricity Coordinating Council
Lorraine Piovesan	Powerex
Kelsey Martinez	Public Service Company of New Mexico
Greg Macdonald	Puget Sound Energy
Toni Williams	Boneville Power Administration
Scott Neu	Customized Energy Solutions
Rob Gosselin	Powerex

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Southwest Power Pool (SPP)

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Tuscon Electric Power (TEP)

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Western Electricity Coordinating Council

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