

**SOUTHWEST POWER POOL**  
Markets + Operations and Reliability Working Group  
September 20, 2023  
Virtual Meeting

Meeting Recording Link:

<https://mysppmeeting.webex.com/webappng/sites/mysppmeeting/recording/6ceea8623a0c103caba700505681aa60/playback>

Password: MxzyH4rk

**SUMMARY OF MOTIONS AND ACTION ITEMS**

**MOTIONS:**

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

**Motion:** Raj Hundal (PowerEx) motioned to approve the August 2023 MORWG Meeting Minutes. Chris McDarment (CCPUD)) provided the second. Motion carried unanimously.

**ACTION ITEMS:**

**Action Item:** SPP Staff will explore ways for Balancing Authorities and Transmission Service Providers participating in Markets+ to have access to Day-Ahead and Real-Time Resource Commitment data of Market Participants within their service areas.

**Action Item:** SPP Staff will explore ways for Balancing Authorities and Transmission Service Providers to have access to anticipated Market Flow data.

## MINUTES

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

The Markets+ Operations and Reliability Working Group (MORWG) Vice Chair, Libby Kirby, called the meeting to order at 1307 CPT. The following members were in attendance or represented by proxy:

- Chris Hoffman (Chair) - Salt River Project (SRP) \* PROXY Magdalena Johnson
- Libby Kirby (Vice Chair) - Bonneville Power Administration (BPA)
- Raj Hundal - Powerex Corp
- Shawn Carlson - Basin Electric Power Cooperative (BEPC)
- Shirley Eshbach - Tacoma Power (TP)
- Susan Manville - Grand Public Utility District (Grant PUD)
- Twyana Blair - Arizona Public Service (APS)
- Chris McDarment - Chelan County Public Utility District (CCPUD)
- Brett Gruesner – Public Service Company of Colorado (PSCO)
- Jesse Waters – Tucson Electric Power (TEP) \*PROXY Brandon Pufall
- Scott Kaufmann - NV Energy

### AGENDA ITEM 2 – ANTITRUST STATEMENT

Brad Johnston (SPP) presented the SPP antitrust statement.

### AGENDA ITEM 3 – CONSENT AGENDA

Raj Hundal (PowerEx) motioned to approve the August 2023 MORWG Meeting Minutes. Chris McDarment (CCPUD)) provided the second. Motion carried unanimously.

**Motion:** Raj Hundal (PowerEx) motioned to approve the August 2023 MORWG Meeting Minutes. Chris McDarment (CCPUD)) provided the second. Motion carried unanimously.

### AGENDA ITEM 4 – TARIFF REVIEW AND ENDORSEMENT

Brad Johnston (SPP) presented draft Tariff Language for the MORWG to review:

- Attachment A 2: Day-Ahead and Operating Day Activities: The group discussed and asked questions. The group expressed interest in SPP providing commitment information from Day-Ahead and RUC studies to the BAs and TSPs.
- Attachment A Section 3 - 3.72: Locational Marginal Pricing: The group discussed and asked questions. No reliability concerns were raised.

- Attachment A 3.1: Fast-Start Resource Pricing: The group discussed and asked questions. No reliability concerns were raised.
- Attachment A 2.1, 2.2: Centralized Unit Commitment: The group discussed and asked questions. No reliability concerns were raised.
- Attachment A 2.1, 2.2: Centralized Unit Dispatch: The group discussed and asked questions. The group expressed interest in receiving forecasted market flow information from SPP. No reliability concerns were raised.
- Attachment A 3.2: Marginal Losses: The group discussed and asked questions. No reliability concerns were raised.

**Action Item:** SPP Staff will explore ways for Balancing Authorities and Transmission Service Providers participating in Markets+ to have access to Day-Ahead and Real-Time Resource Commitment data of Market Participants within their service areas.

**Action Item:** SPP Staff will explore ways for Balancing Authorities and Transmission Service Providers to have access to anticipated Market Flow data.

## AGENDA ITEM 5 – RESERVE SHARING GROUP ACTIONS

See summary for Agenda Item 6 for more information.

## AGENDA ITEM 6 – OPERATIONAL RESERVE CLEARING

Brad Johnston (SPP) discussed how the Balancing Authorities will submit overrides to SPP that reflect Reserve Sharing Group and/or operational reserve clearing actions. The group was comfortable with language around this requirement being in the Protocols and not the Tariff. The group also informed SPP this approach is similar to how CAISO accounts for these actions.

## AGENDA ITEM 7 – VIOLATION RELAXATION LIMITS

Caroline Gentry (SPP) presented an education session over Violation Relaxation Limits (VRLs). The information was centered around how they are implemented in the Integrated Market and WEIS markets. The design for Markets+ is still being discussed at the MDWG.

## AGENDA ITEM 8 – MUST OFFER OBLIGATION (DISCUSSION)

Kelli Schermerhorn (SPP), Markets + Resource Adequacy Task Force Staff Secretary, discussed the proposed Must Offer Obligation (MOO). A framework for the Day-Ahead market has been agreed upon. The Day-Ahead must offer quantities will be equal to the expected demand forecast plus flex reserves, net any purchases or sales (schedules) which occur. WRAP

requirements will also be considered, but specifics around WRAP have yet to be ironed out. The Real-Time Must Offer framework is still being discussed, with a target date for the SEAMS group and MDWG to review is October 10th. The group discussed and asked questions.

## AGENDA ITEM 9 – OCTOBER FACE-TOFACE MEETING

Brad Johnston (SPP) presented a draft agenda for the in-person meeting in October. He discussed the RC Services Education meeting that is taking place the day before, and how the MOWG meeting time is changed to the morning hours in October.

## AGENDA ITEM 10 – ROAD MAP

Brad Johnston (SPP) presented the Road Map to the group, which listed the Tariff language the group will need to review and endorse in future meetings.

## AGENDA ITEM 11 – OPEN DISCUSSION/GENERAL QUESTIONS

No additional topics or discussion were brought up during this agenda item.

## AGENDA ITEM 12 – FUTURE MEETINGS

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

### October 2023 RC Services Education Meeting- IN PERSON

Tuesday, October 24, 2023 (8:30AM - 5:00PM **MST**)

**Location:** Salt River Project  
1500 N. Mill Avenue  
Tempe, Arizona 85281

### October 2023 MORWG Meeting- IN PERSON

Tuesday, October 25, 2023 (8:30AM - 12:30PM **MST**)

**Location:** Salt River Project  
1500 N. Mill Avenue  
Tempe, Arizona 85281

### October 2023 MORWG Meeting- IN PERSON

Tuesday, November 15, 2023 (1:00PM - 5:00PM **CDT**)

## ADJOURNMENT

Libby Kirby adjourned the meeting at 1605 CPT, Wednesday, August 23rd.

Respectfully Submitted – Brad Johnston MORWG Staff Secretary

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<b>P = By Phone</b> <b>X = In Person</b> <b>* = By Proxy</b>		<b>MORWG Meeting</b> <b>September 20, 2023</b> <b>Attendance</b>	
<b>MORWG Representatives</b>			
<b>Day 1</b>	<b>Name</b>	<b>Company</b>	<b>Email</b>
*	Chris Hofman (Chair)	Salt River Project (SRP)	Chris.Hofmann@srpnet.com
P	Brad Johnston(Secretary)	Southwest Power Pool (SPP)	bjohnston@spp.org
P	Brett Gruesner	Public Service Commission of Colorado (PSCo)	brett.j.gruesner@xcelenergy.com
*	Jesse Waters	Tuscon Electric Power (TEP)	jwaters@tep.com
P	Libby Kirby (Vice Chair)	Bonneville Power Administration (BPA)	eakirby@bpa.gov
	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
P	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	Grand Public Utility District (Grant PUD)	smanville@gcpud.org
	Ronald Moulton	Western Area Power Administration-Desert Southwest Region (DSW)	remoulton@wapa.gov
P	Twyana Blair	Arizona Public Service (APS)	Twyana.blair@aps.com
	Evan Sorrell	Puget Sound Energy	evan.sorrell@pse.com
P	Audrey Stevenson	Bonneville Power Administration (BPA)	acstevenson@bpa.gov
P	Brad Parker	Liberty Utilities	brad.parker@libertyutilities.com
P	Calvin Dacus	Tuscon Electric Power (TEP)	cdacus@tep.com
P	Caroline Gentry	Southwest Power Pool	cgentry@spp.org
P	Chris Bultsma	WAPA UGP	bultsma@wapa.gov
P	Gia Anguiano	Western Energy Board	ganguiano@westernenergyboard.org
P	Jason Mazigian	Basin Electric Power Cooperative (BEPC)	jmazigian@becp.com
P	Joe Natividad	El Paso Electric	joe.natividad@epelectric.com
P	Joe Taylor	Public Service Commission of Colorado (PSCo)	joseph.c.taylor@xcelenergy.com
P	Kate Moore	Powerex Corp	katharine.moore@powerex.com
P	Kelli Schermerhorn	Southwest Power Pool	kschermerhorn@spp.org
P	Layne Brown	Western Electricity Coordinating Council	lbrown@wecc.org
P	Luis Vicente	El Paso Electric	luis.vicente@epelectric.com
P	Mariano Mezzatesta	Bonneville Power Administration (BPA)	mxmezzatesta@bpa.gov

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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