

<b>P</b>	<b>= By Phone</b>	<b>MORWG Meeting September 19, 2024 Attendance</b>
<b>X</b>	<b>= In Person</b>	
<b>*</b>	<b>= By Proxy</b>	

**MORWG Representatives**

<b>Day 1</b>	<b>Name</b>	<b>Company</b>	<b>Email</b>
<b>P</b>	Brad Johnston(Secretary)	Southwest Power Pool (SPP)	bjohnston@spp.org
	Steve Szablya	Public Service Commission of Colorado (PSCo)	steve.szablya@xcelenergy.com
<b>P</b>	Brandon Pufall	Tuscon Electric Power (TEP)	Brandon.pufall@tep.com
<b>P</b>	Libby Kirby (Vice Chair)	Bonneville Power Administration (BPA)	eakirby@bpa.gov
<b>P</b>	Mike Houglum	Tri-State Generation and Transmission Association (TSGT)	mhouglum@tristategt.org
<b>P</b>	Raj Hundal	Powerex Corp	raj.hundal@powerex.com
	Shawn Carlson	Basin Electric Power Cooperative (BEPC)	scarlson@becpc.com
<b>P</b>	Chris McDarment	Chelan County PUD	Chris.McDarment@chelanpud.org
<b>P</b>	Shirley Eshbach	Tacoma Power (TP)	SEshbach@cityoftacoma.org
<b>*</b>	Susan Manville	Grant Public Utility District (Grant PUD)	smanville@gcpud.org
<b>P</b>	Twyana Blair	Arizona Public Service (APS)	Twyana.blair@aps.com
	Evan Sorrell	Puget Sound Energy	evan.sorrell@pse.com
<b>P</b>	Denton McGregor	Black Hills Energy	denton.mcgregor@blackhillscorp.com
<b>P</b>	Mike Pfeister	Salt River Project (SRP)	mike.pfeister@srpnet.com

	<b>Name</b>	<b>E-mail</b>
	Adam Cornelius   Snohomish PUD	accornelius@snopud.com
	Audrey Stevenson BPA	acstevenson@bpa.gov
	Blake Pederson - SRP	blake.pederson@srpnet.com
	Brad Johnston	bjohnston@spp.org
	Brandon Pufall - TEP	brandon.pufall@tep.com
	CES - Jim Krajecki	jkrajecki@ces-ltd.com
	Carman Ruder (SPP)	cruder@spp.org

**SOUTHWEST POWER POOL**  
Markets + Operations and Reliability Working Group  
September 19, 2024  
Virtual Meeting  
Recording Link [here](#), password: pRJmHYQ4  
**SUMMARY OF MOTIONS AND ACTION ITEMS**

**MOTIONS:**

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

**Motion:** Chris McDarment (CCPUD) motioned to approve the Consent Agenda, as presented to the group, with the understanding that the sections below are still being drafted. Brandon Pufall (TEP) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

2. **Agenda Item 5a: Section 4.2.1 – 4.2.1.2 (Must Offer)**

**Motion:** Raj Hundal (Powerex) motioned to approve Markets+ Protocols, Sections 4.2.1 – 4.2.1.2, as presented. Brandon Pufall (TEP) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

3. **Agenda Item 5b. Protocols 4.2.5 MDFA 4.2.5.2 MDFA Result**

**Motion:** Chris McDarment (CCPUD) motioned to approve Markets+ Protocols, Sections 4.2.5- 4.2.5.2 Multi-Day Forecast Analysis as revised at the MDWG. Twyana Blair (APS) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

4. **Agenda Item 5c: 4.4.2.4 OOME (Clean-Up Item)**

**Motion:** Chris McDarment (CCPUD) motioned to approve Markets+ Protocols, Sections 4.4.2.4 and 4.4.2.4.1 OOME language, as modified. Raj Hundal (Powerex) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

5. **Agenda Item 5d: Market System Outages and Error Handling**

**Motion:** Brandon Pufall (TEP) motioned to approve Markets+ Protocols, Sections 10 Market System Outage and Error Handling as reviewed during the meeting. Libby Kirby (BPA) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

### **ACTION ITEMS:**

**Action Item:** Brad Johnston (SPP) and Libby Kirby will investigate design aspects of CROW derates superseding market offer data.

**Action Item:** SPP will start researching procedures or processes that can be implemented during market holds.

## **MINUTES**

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

The Markets+ Operations and Reliability Working Group (MORWG) Chair, Libby Kirby called the meeting to order at 11:05 a.m. CPT. The following members were in attendance or represented by proxy:

- Libby Kirby (Chair) - Bonneville Power Administration (BPA)
- Raj Hundal - Powerex Corp
- Shirley Eshbach - Tacoma Power (TP)
- Twyana Blair - Arizona Public Service (APS)
- Chris McDarment - Chelan County Public Utility District (CCPUD)
- Steve Szablya – Public Service Commission of Colorado (PSCO)
- Brandon Pufall – Tucson Electric Power (TEP)
- Mike Pfeister – Salt River Project (SRP)
- Denton McGregor – Black Hills Power (BHP)
- Michael Hougum – Tri-State Electric Cooperative (TSGT)

\* Susan Manville (GPUD) notified the group that she selected Chris McDarment (CCPUD) as her proxy vote for the September meeting in his absence.

### **AGENDA ITEM 2 – ANTITRUST STATEMENT**

Brad Johnston (SPP) presented the SPP antitrust statement.

### AGENDA ITEM 3 – CONSENT AGENDA

Libby Kirby (BPA) presented the Consent Agenda to the group for review. The following items were in the Consent Agenda:

- a) August 28th, 2024 MORWG Meeting Minutes
- b) Protocols 4.5.7 – 4.5.7.24 DA Market Settlements
- c) Protocols Section 4.5 (Post OD and Settlement Activities) – 4.5.4.3 (MCP Calculations)
- d) Protocols: Sections 4.5.8 (RTBM Settlement) – 4.5.12 (RNU Distribution Amount)
- e) Protocols: Section 4.5.13 Settlement Statement Process) – 4.5.16.3 (Invoice Payment Process)

**Motion:** Chris McDarment (CCPUD) motioned to approve the Consent Agenda, as presented to the group, with the understanding that the sections below are still being drafted. Brandon Pufall (TEP) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

### AGEND ITEM 4 – ESR EDUCATION

Kevin Morelock (Utilicast) presented an education session on Electric Storage Resources (ESR), and shared examples of State of Charge (SOC) management. The grouped discussed registration items, scenarios where the resource goes above their registered limits, and the desire for additional discussion around they Hybrid Storage Resource (HSR) type.

### AGENDA ITEM 5 - MARKETS+ PROTOCOLS: APPROVAL

The following items were presented to the MORWG for review:

#### a. Section 4.2.1 – 4.2.1.2 (Must Offer)

Tyler Moore (APS) presented Protocol Sections 4.2.1, 4.2.11 and 4.2.1.2 for review and approval. The group discussed and asked questions.

**Motion:** Raj Hundal (Powerex) motioned to approve Markets+ Protocols, Sections 4.2.1 – 4.2.1.2, as presented. Brandon Pufall (TEP) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

#### b. Protocols 4.2.5 MDFA\_4.2.5.2 MDFA Result (clean-up from MDWG/Approval Item)

Brad Johnston (SPP) presented Protocols Section 4.2.5 and 4.2.5.2 to the group. The MORWG previously reviewed 4.2.5.1 and provided modifications to the MDWG to review and approve. The MDWG approved the modifications, and made additional changes to 4.2.5 (previously approved by the MORWG) and 4.2.5.2 (first time reviewed by the MORWG) for the group to review.

**Motion:** Raj Hundal (Powerex) motioned to approve Markets+ Protocols, Sections 4.2.1 – 4.2.1.2, as presented. Brandon Pufall (TEP) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

**c. Protocols 4.4.2.4 OOME**

Brad Johnston (SPP) presented Protocols Section 4.4.2.4 OOME language to the group as a clean-up item. The language has been both approved by the MDWG and MORWG, but it was later determined that sections 4.4.2.4 and 4.4.2.4.1 have language that is divergent from the Tariff. The group approved to remove “transmission service provider” from the list of entities that can issue an instruction that be reflected in the market by an OOME.

**Motion:** Chris McDarment (CCPUD) motioned to approve Markets+ Protocols, Sections 4.4.2.4 and 4.4.2.4.1 OOME language, as modified. Raj Hundal (Powerex) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

**d. Protocols Sections: Market System Outages**

Brad Johnston (SPP) presented Protocols Section 10-10.2.2 Market System Outage and Error Handling to the group for review. The language discussed how the DA and RTBM markets. The MDWG requested the MORWG consider communications and coordination between market personnel and reliability personnel during these events. The group discussed and asked questions.

**Motion:** Brandon Pufall (TEP) motioned to approve Markets+ Protocols, Sections 10 Market System Outage and Error Handling as reviewed during the meeting. Libby Kirby (BPA) provided the second. The group did not identify any conflicts with approved reliability standards, nor negative impacts to the ability to ensure reliable operations. Motion carried unanimously.

**Action Item:** SPP will start researching procedures or processes that can be implemented during market holds.

## AGEND ITEM 6 – CROW DESIGN POLLING UPDATE

Brad Johnston (SPP) informed the group of the results of the CROW Design straw poll that was issued two-week earlier. The poll received fix responses, all in favor of the “Enhanced Functionality” approach that would allow derates submitted through CROW will supersede market offers. The group discussed the challenges of this design, and requested SPP perform additional research on specifications of this enhancement. Libby Kirby (BPA) offered to assist with this research.

**Action Item:** Brad Johnston (SPP) and Libby Kirby will investigate design aspects of CROW derates superseding market offer data.

## AGENDA ITEM 7 – OPEN DISCUSSIONS/GENERAL QUESTIONS

Brad Johnston (SPP) informed the group the Vice-Chair nomination window has closed. One nomination was submitted, and will require both Libby Kirby’s (BPA) and the MPEC Chair/Vice Chair’s approval to move forward.

## AGENDA ITEM 8 – SUMMARY OF MOTIONS AND ACTION ITEMS

Brad Johnston (SPP) provided the summary of captured motions and action items from today’s meeting.

## AGENDA ITEM 9 – FUTURE MEETINGS

### October 30, 2024, MORWG Meeting

- 9:00 a.m. – 3:00 p.m. PPT
- 10:00 a.m. – 4:00 p.m. MPT
- 11:00 a.m. – 5:00 p.m. CPT

**Location:** Net-Conference

### November 21, 2024, MORWG Meeting

- 9:00 a.m. – 3:00 p.m. PPT
- 10:00 a.m. – 4:00 p.m. MPT
- 11:00 a.m. – 5:00 p.m. CPT

**Location:** Net-Conference



**AGENDA ITEM 10 – ADJOURNMENT**

Libby Kirby adjourned the meeting at 03:58 p.m. CPT, Wednesday September 19

Respectfully Submitted – Brad Johnston MORWG Staff Secretary