

SOUTHWEST POWER POOL, INC.
Western Markets Executive Committee and Western Markets Working Group Joint
Meeting
August 26, 2020
1:00 p.m. – 4:00 p.m. CPT
Net-Conference

SUMMARY OF MOTIONS AND ACTION ITEMS

MOTIONS:

1. **Agenda Item 1 – Administrative Items**

WMEC Motion: Clay MacArthur (Deseret) motioned to approve the agenda as presented. Tom Christensen (BEPC) provided the second. Motion carried unanimously.

2. **Agenda Item 2a – WRR7 WEIS Supply Adequacy (Issue 3)**

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR7 (WEIS Supply Adequacy (Issue 3)). Jeff Lindsay (MEAN) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR7 (WEIS Supply Adequacy (Issue 3)) as modified during the meeting. Neil Lindgren (WAPA) provided the second. Motion carried unanimously.

WMEC Motion: Clay MacArthur (Deseret) motioned to approve WRR7 (WEIS Supply Adequacy (Issue 3)) as recommended to the WMEC by the WMWG. Jonathan Aust (WAPA) provided the second. Motion carried unanimously.

3. **Agenda Item 2b – WRR8 WEIS Marginal Losses (Issue 4) SPP Comments 082420**

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR8 (WEIS Marginal Losses (Issue 4)). Chris Powell (WAPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR8 (WEIS Marginal Losses (Issue 4)) SPP Comments 082420. Rosemary Henry (WMPA) provided the second. Motion carried unanimously.

WMEC Motion: Tom Christensen (BEPC) motioned to approve WRR8 (WEIS Marginal Losses (Issue 4)) as recommended to the WMEC by the WMWG. Clay MacArthur (Deseret) provided the second. Motion carried unanimously.

4. **Agenda Item 2c – WRR9 WEIS Demand Response**

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR9 (WEIS Demand Response). Rosemary Henry (WMPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR9 (WEIS Demand Response). Neil Lindgren (WAPA) provided the second. Motion carried unanimously.

WMEC Motion: Clay MacArthur (Deseret) motioned to approve WRR9 (WEIS Demand Response) as recommended to the WMEC by the WMWG. Tom Christensen (BEPC) provided the second. Motion carried unanimously.

ACTION ITEMS:

No new action items were taken during this meeting.

MINUTES

AGENDA ITEM 1 – ADMINISTRATIVE ITEMS

Dan Walter called the meeting to order at 1:10 p.m., CPT. Valerie reviewed the agenda with the group.

The following WMEC members were in attendance or represented by proxy:

- Tim Vigil (Chair), CRSP WAPA - *Vigil_August 26 WMEC Meeting Proxy*
- Dan Walter (Vice Chair), TSGT
- Bradley Hans, MEAN
- Clay MacArthur, Deseret Power
- David Neumayer, WAPA - *Neumayer_August 26 WMEC Meeting Proxy*
- Lori Frisk, WAPA
- Rosemary Henry, WMPA
- Tom Christensen, BEPC

The following WMWG members were in attendance or represented by proxy:

- Valerie Weigel (Chair), BEPC
- Jeff Lindsay (Vice Chair), MEAN
- Chris Powell, WAPA
- Lorrie Bliss, Deseret Power
- Mike Mason, TSGT
- Neil Lindgren, WAPA UGPM
- Rosemary Henry, WMPA
- Shane Messano, WAPA

WMEC Motion: Clay MacArthur (Deseret) motioned to approve the agenda as presented. Tom Christensen (BEPC) provided the second. Motion carried unanimously.

AGENDA ITEMS 2, 2A, 2B, 2C AND 2D – WEIS REVISION REQUESTS, WRR7 WEIS SUPPLY ADEQUACY (ISSUE 3), WRR8 WEIS MARGINAL LOSSES (ISSUE 4), WRR9 WEIS DEMAND RESPONSE, AND WRR6 WEIS TRANSMISSION AVAILABILITY (ISSUE 1)

WRR7 WEIS Supply Adequacy (Issue 3)

Daniel Harless (SPP) reviewed WRR7's (WEIS Supply Adequacy (Issue 3)) objective explaining the WRR was in response to FERC's WEIS Order and it incorporates language to provide an incentive

for Market Participants (MPs) to maintain supply adequacy, by incorporating a pricing mechanism associated with supply inadequacy. Daniel reviewed the language and answered questions from the group. The group noted four concerns: 1) Differences in load forecasting between the Market Operator, Balancing Authority (BA), and MP, 2) BA reporting to FERC, 3) Enforcing Energy Imbalance limit to a BA that is in energy deficit, and 4) 30 minutes prior to the operating hour offer lockout for Resource Plans and/or Ancillary Service Plans. SPP staff informed the group that additional details can be included in the WEIS Protocols to address concerns 1) and 2). SPP staff informed the group the Energy Imbalance limit used for supply inadequate BAs will be implemented in the same way as a transmission constraint in the WEIS Market where the limit can be relaxed if needed to maintain power balance, but the relaxation would come at a cost consistent with the operating constraint Violation Relaxation Limits (VRLs). SPP staff also informed the group that the 30 minute lockout for Resource Plans and Ancillary Service Plans are the timing requirements for the MUI/API and that any changes to tags and Resource parameters made after the lockout, would still be included in the latest Supply Adequacy Analysis. The group revised language in the WRR and unanimously approved the WRR as modified.

WRR7 Black Hills Comments 082620

Eric Egge (Black Hills) provided an overview of WRR7 (WEIS Supply Adequacy) Black Hills Comments 082620, highlighting Black Hills' concern, stating they do not believe it addresses the FERC requirement. Eric discussed the comments and answered questions from the group.

WRR8 WEIS Marginal Losses (Issue 4)

Daniel Harless reviewed WRR8's (WEIS Marginal Losses (Issue 4)) objective, explaining the WRR is in response to FERC's WEIS Order and it incorporates language to add a Marginal Loss Component (MLC) into the Locational Marginal Price (LMP) calculation to improve the efficiency of the dispatch of the WEIS Market. Daniel presented WRR8 SPP Comments 082420 to the group, explaining after the original WRR was submitted, SPP staff created comments to clarify the intent of the Loss Adjustment Factor (LAF) to only apply at load Settlement Locations when the load Settlement Locations have to purchase Imbalance Energy obligation for Native Load Hedging (NLH). He explained the comments also make minor corrections. The group discussed and unanimously approved the comments.

WRR9 WEIS Demand Response

Daniel Harless reviewed WRR9's (WEIS Demand Response) objective, explaining the WRR is in response to FERC's WEIS Order and it incorporates language that clarifies that demand response resources will be compensated at the Locational Marginal Price (LMP) like other MPs offering Resources in the WEIS Market. The group discussed and unanimously approved the WRR.

WRR6 WEIS Transmission Availability (Issue 1) SPP Comments 082420

This agenda item was deferred to the August 28th, 2020 joint WMEC and WMWG meeting.

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR7 (WEIS Supply Adequacy (Issue 3)). Jeff Lindsay (MEAN) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR7 (WEIS Supply Adequacy (Issue 3)) as modified during the meeting. Neil Lindgren (WAPA) provided the second. Motion carried unanimously.

WMEC Motion: Clay MacArthur (Deseret) motioned to approve WRR7 (WEIS Supply Adequacy (Issue 3)) as recommended to the WMEC by the WMWG. Jonathan Aust (WAPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR8 (WEIS Marginal Losses (Issue 4)). Chris Powell (WAPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR8 (WEIS Marginal Losses (Issue 4)) SPP Comments 082420. Rosemary Henry (WMPA) provided the second. Motion carried unanimously.

WMEC Motion: Tom Christensen (BEPC) motioned to approve WRR8 (WEIS Marginal Losses (Issue 4)) as recommended to the WMEC by the WMWG. Clay MacArthur (Deseret) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR9 (WEIS Demand Response). Rosemary Henry (WMPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR9 (WEIS Demand Response). Neil Lindgren (WAPA) provided the second. Motion carried unanimously.

WMEC Motion: Clay MacArthur (Deseret) motioned to approve WRR9 (WEIS Demand Response) as recommended to the WMEC by the WMWG. Tom Christensen (BEPC) provided the second. Motion carried unanimously.

AGENDA ITEM 3 – NEW ACTION ITEMS

No new action items were taken during this meeting.

AGENDA ITEM 4 – ADJOURNMENT

Dan Walter (TSGT) adjourned the meeting at 4:00 p.m., CPT.

Respectfully Submitted – Kristen Darden on behalf of David Kelley, WMEC Staff Secretary and Daniel Harless, WMWG Staff Secretary

		Western Markets Working Group & Western Markets Executive Committee Joint Meeting
P	= By Phone	August 26, 2020
*	= By Proxy	Attendance

WMWG Representatives			
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Day 1	Full Name	Company	E-mail
P	Valerie Weigel (Chair)	Basin Electric Power Co.	vweigel@bepc.com
P	Jeff Lindsay (Vice-Chair)	Municipal Energy Agency of Nebraska	jlindsay@nmppenergy.org
P	Daniel Harless (Secretary)	SPP	dharless@spp.org
P	Chris Powell	Western Area Power Administration	powell@wapa.gov
P	Lorrie Bliss	Deseret Power	lbliss@deseretpower.com
P	Michael Mason	Tri-State Generation & Transmission Association	mmason@tristategt.org
P	Neil Lindgren	WAPA UGPM	lindgren@wapa.gov
P	Rosemary Henry	Wyoming Municipal Power Agency	rosemary@wmpa.org
P	Shane Messano	Western Area Power Administration	smessano@wapa.gov

WMEC Representatives			
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*	Timothy Vigil (Chair)	CRSP WAPA	tvigil@wapa.gov
P	Dan Walter (Vice-Chair)	Tri-State Generation & Transmission Association	dwalter@tristategt.org
P	David Kelley (Secretary)	SPP	dkelley@spp.org
P	Bradley Hans	MEAN	bhans@nmppenergy.org
P	Clay MacArthur	Deseret Power	cmacarthur@deseretpower.com
*	David Neumayer	Western Area Power Administration	neumayer@wapa.gov
P	Lori Frisk	Western Area Power Administration	frisk@wapa.gov
P	Rosemary Henry	Wyoming Municipal Power Agency	rosemary@wmpa.org
P	Tom Christensen	Basin Electric Power Co.	tomc@bepc.com

Attendees			
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P	Adam Arellano	WAPA	jarellano@wapa.gov
P	Amy Cut	WAPA CRSP	cut@wapa.gov
P	Brett Gruesner	PSCo	brett.j.gruesner@xcelenergy.com
P	Carrie Simpson	Xcel Energy	carrie.l.simpson@xcelenergy.com
P	Cathy Sabers	Black Hills	cathy.sabers@blackhillscorp.com
P	Chris Bultsma	WAPA	bultsma@wapa.gov
P	Chris Evjen	WAPA	cevjen@wapa.gov
P	Chris Nolen	Southwest Power Pool	cnolen@spp.org
P	Claire Douthit	WAPA	douthit@wapa.gov
P	David Boyd	University of St. Thomas	dboyd@stthomas.edu
P	David Daniels	SPP MMU	ddaniels@spp.org
P	Dennis Reed	Midwest Regulatory Consulting	dennis.reed@mwregcon.com
P	Don Frerking	Southwest Power Pool	dfreerking@spp.org
P	Don Martin	Southwest Power Pool	dmartin@spp.org
P	Doug Clark	Southwest Power Pool	dclark@spp.org
P	Eric Egge	Black Hills	eric.megge@blackhillscorp.com
P	Farrokh Rahimi	OATI	farrokh.rahimi@oati.net
P	Gary Cate	Southwest Power Pool	gcate@spp.org
P	Ian Wren	SPP MMU	iwren@spp.org
P	JP Maddock	BEPC	jpmaddock@bepc.com
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P	Jeff Pace	TEA	jpace@teainc.org
P	Jeremy West	Tri-State Generation & Transmission Association	jeremy.west@tristategt.org
P	Jill Jones	MEAN	jjones@nmppenergy.org
P	Jim Gonzalez	Southwest Power Pool	jgonzalez@spp.org
P	Jim Krajecki	CES	jkrajecki@ces-ltd.com
P	Jodi Endres	WAPA	endres@wapa.gov
P	Jodi Woods	SPP MMU	jwoods@spp.org
P	Jonathan Aust	WAPA	aust@wapa.gov
P	Julie Matteson	WAPA	jmatteson@wapa.gov
P	Justin Gensing	OATI	justin.gensing@oati.net
P	Kaleb Brimhall	PRPA	brimhallk@prpa.org
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P	Katie Southworth		katherine.southworth@gmail.com
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P	Lloyd Linke	WAPA	lloyd@wapa.gov
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P	Mary Ann Zehr	TSGT	mzehr@tristategt.org
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P	Michelle Harris	Southwest Power Pool	mharris@spp.org
P	Michelle Lepin	NMPP Energy	mlepin@nmppenergy.org
P	Nick Detmer	Xcel Energy	nick.detmer@xcelenergy.com
P	Nicole Wagner	Southwest Power Pool	nwagner@spp.org
P	Pat Connors	PRPA	connorsp@prpa.org
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P	Patti Kelly	Southwest Power Pool	pkelly@spp.org
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P	Rebecca Johnson	WAPA	rjohnson@wapa.gov
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P	Russell Quattlebaum	Southwest Power Pool	rquattlebaum@spp.org
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P	Serhat Guney	SPP MMU	eguney@spp.org
P	Seth Nelson	Black Hills	seth.nelson@blackhillscorp.com
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P	Steve Davis	Southwest Power Pool	sdavis@spp.org
P	Steve Johnson	Southwest Power Pool	sjohnson@spp.org
P	Steve Sanders	WAPA-UGP	sanders@wapa.gov
P	Steve Szablya	Xcel Energy	steve.szablya@xcelenergy.com
P	Steve White	Southwest Power Pool	swhite@spp.org
P	Tom Kleckner	RTO Insider	tom.kleckner@rtoinsider.com
P	Tony Alexander	Southwest Power Pool	talAlexander@spp.org
P	Will Nipper	Southwest Power Pool	wnipper@spp.org

From: Neumayer, Dave <neumayer@wapa.gov>
Sent: Friday, August 21, 2020 2:04 PM
To: David Kelley <dkelley@spp.org>; Aust, Jon <aust@wapa.gov>; Vigil, Tim <tvigil@wapa.gov>;
Walter, Dan <dwalter@tristategt.org>
Subject: ****External Email**** [EXTERNAL] Proxy for WMEC Meeting August 26th

David, Tim and Dan,

Jonathan Aust will be my proxy for the August 26th WMEC meeting.

Thanks!

Dave

David Neumayer | VP of Power Marketing for RMR
Western Area Power Administration | Rocky Mountain Region
(M) [970.290.5475](tel:970.290.5475) | [neumayer\[at\]wapa.gov](mailto:neumayer[at]wapa.gov)

On Aug 25, 2020, at 6:38 PM, Vigil, Tim <tvigil@wapa.gov> wrote:

Hi David and Dan,

Adam Arellano will serve as alternate voting member in the WMEC for WAPA-CRSP during the meeting tomorrow afternoon, August 26, 2020.

Thanks,
Tim

Tim Vigil | Senior VP and CRSP Manager

Western Area Power Administration | CRSP Management Center | Montrose, CO
(O) 970.252.3005 | (M) 970.497.9624 | tvigil@wapa.gov

**SOUTHWEST POWER POOL, INC.
WESTERN MARKETS EXECUTIVE COMMITTEE
AND WESTERN MARKETS WORKING GROUP JOINT MEETING
Aug. 26, 2020
1:00 p.m.-4:00 p.m. CDT
Net Conference**

AGENDA

1. Administrative Items..... Tim Vigil/David Kelley
 - A. Call to Order, Attendance, Agenda Review
2. Revision Requests..... David Kelley/Daniel Harless
 - A. WRR7 – WEIS Supply Adequacy (Issue 3) (**Approval Item**)
 - B. WRR8 – WEIS Marginal Losses (Issue 4) – SPP Comments (**Approval Item**)
 - C. WRR9 – WEIS Demand Response (**Approval Item**)
 - D. WRR6 – WEIS Transmission Availability (Issue 1) – SPP Comments
3. New Action ItemsDavid Kelley
4. Adjournment Tim Vigil

***Antitrust:** SPP strictly prohibits use of participation in SPP activities as a forum for engaging in practices or communications that violate the antitrust laws. Please avoid discussion of topics or behavior that would result in anti-competitive behavior, including but not limited to, agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition.*

WEIS Revision Request Comment Form

WRR #: 6	Date: 8/24/2020
WRR Title: WEIS Transmission Availability (Issue 1)	
SUBMITTER INFORMATION	
Name: David Kelley	Company: Southwest Power Pool
Email: dkelly@spp.org	Phone: 501.688.1671
OBJECTIVE OF REVISION	
<p>Objectives of WEIS Revision Request:</p> <p><i>Describe the problem/issue this revision request will resolve.</i></p> <p>In Paragraph 42 of the order rejecting SPP's filing in dockets ER20-1059/ER20-1060, the Commission provided guidance on the issue of non-participant transmission by stating:</p> <p style="padding-left: 40px;">"Any future proposal for the SPP WEIS Market should include the mechanisms or agreements that will ensure that the SPP WEIS Market respects the transmission capacity of non-participating entities with appropriate constraints in the SCED. If SPP is not able to reach an arrangement with non-participating entities to use their transmission capacity, SPP must include constraints in its market model to appropriately respect the transmission rights of non-participating entities when calculating the market solution."</p> <p>This revision request incorporates changes to the WEIS Tariff to provide that SPP will include constraints in the WEIS Market's economic dispatch to use the combined transmission capability made available by Market Participants and participating Balancing Authorities on transmission facilities within a participating Balancing Authority Area or on transmission facilities used to transfer energy between participating Balancing Authorities.</p> <p><i>Describe the benefits that will be realized from this revision.</i></p> <p>This revision request ensures SPP follows FERC's guidance in the Rejection Order from Docket Nos. ER20-1059/ER20-1060.</p>	
COMMENTS	
<p>In Section 1.2.11 below, the language was reorganized from the previous posted language to clarify the obligations of SPP to constrain dispatch the WEIS Market, Market Participant's obligation to communicate transmission capacity, and the Balancing Authority's obligation to communicate transmission capacity. The remaining language in Section 4.3 and Attachment D is unchanged from previous posted version.</p>	
PROPOSED REVISION(S)	
<p><i>In the appropriate sections below, provide proposed revisions to the WEIS Revision Request for which you are providing comments. Use the language from the WEIS Revision Request Submission Form or the Recommendation Report, whichever is more recent.</i></p> <ol style="list-style-type: none"> 1. <i>Open the document containing the language you would like to edit, e.g., WRR Submission Form or WRR Recommendation Report</i> 2. <i>Ensure Track Changes is turned off on both the forward looking protocols and this WRR Submission Form. Track Changes is located on Review tab above.</i> 3. <i>While in the document containing the language you are proposing edits to, select and copy the language you would like to edit</i> 4. <i>Paste the language to this Comment Form</i> 5. <i>Turn on Track Changes and make the edits you would like to propose</i> 	

WEIS Tariff

Attachment A

1.2.11 WEIS Market Transmission Capacity Availability for use by WEIS Market

1. SPP Obligation to Constrain the WEIS Market's Economic Dispatch

SPP will create and maintain constraints in the WEIS Market's Security Constrained Economic Dispatch based on the transmission capacity communicated by Market Participant's and participating Balancing Authorities in Sections 1.2.11(2) and (3) below. The WEIS Market's Security Constrained Economic Dispatch will be constrained in accordance with WEIS Market Protocols and approved WEIS business practices.

2. Market Participant Obligation to Communicate Transmission Capacity

For SPP to constrain the WEIS Market dispatch, Market Participants must communicate, and accurately represent, to SPP and their participating Balancing Authority the Market Participant's: ~~Unless otherwise prohibited by law, regulation or contract, Market Participants shall make available to SPP for purposes of operating the WEIS Market their:~~

- i. ~~reserved but unused, and otherwise available, rights to transmission capacity~~ reserved but unused, and otherwise available, rights to transmission capacity ~~on transmission facilities located within a participating Balancing Authority Area;~~
- ii. ~~reserved but unused, and otherwise available, rights to transmission capacity~~ reserved but unused, and otherwise available, rights to transmission capacity ~~or on transmission facilities used to transfer energy between participating Balancing Authorities;~~
- iii. ~~rights to transmission capacity~~ rights to transmission capacity ~~in accordance with agreements it has entered with third parties which that permit the Market Participant's WEIS Market's use of third another party's transmission system within a participating Balancing Authority Area;~~
- iv. ~~rights to or on transmission capacity in accordance with agreements that permit the Market Participant's use of another party's transmission facilities used to transfer energy between participating Balancing Authority~~ rights to or on transmission capacity in accordance with agreements that permit the Market Participant's use of another party's transmission facilities used to transfer energy between participating Balancing Authority ~~ies Areas;~~
- v. ~~transmission capacity that has been made available to Market Participants as Joint Dispatch Transmission Service on facilities within the participating Balancing Authority Area if the Market Participant is a Transmission Service Provider, as defined by North American Electric Reliability Corporation ("NERC"), administering transmission service within a participating Balancing Authority Area; and~~ transmission capacity that has been made available to Market Participants as Joint Dispatch Transmission Service on facilities within the participating Balancing Authority Area if the Market Participant is a Transmission Service Provider, as defined by North American Electric Reliability Corporation ("NERC"), administering transmission service within a participating Balancing Authority Area; and
- vi. ~~transmission capacity that has been made available to Market Participants as Joint Dispatch Transmission Service on transmission facilities used to transfer energy between participating Balancing Authority Areas.~~ transmission capacity that has been made available to Market Participants as Joint Dispatch Transmission Service on transmission facilities used to transfer energy between participating Balancing Authority Areas.

3. Participating Balancing Authority Obligation to Communicate Transmission Capacity

For SPP to constrain the WEIS Market Dispatch, ~~P~~ participating Balancing Authorities shall ~~must~~ communicate ~~make available~~ to SPP, any transmission capacity ~~in accordance with agreements it has entered with third parties which that permit the WEIS Market's Balancing Authority's use of third another party's transmission system within a participating Balancing~~

Authority Area or on transmission facilities used to transfer energy between participating Balancing Authorities.

For SPP to constrain the WEIS Market dispatch, participating Balancing Authorities shall communicate to SPP any changes to the Section 1.2.11(3) as soon as practicable.

~~Market Participants shall communicate and accurately represent to its participating Balancing Authority and to SPP, its transmission capability described in Sections 1.2.11(a). Market Participants shall communicate to its participating Balancing Authority and SPP any changes to this information as soon as practicable before such changes become effective. Market Participants may communicate this information to SPP through their participating Balancing Authority.~~

~~Participating Balancing Authorities shall provide to SPP data and information in accordance with the WEIS Market Protocols and approved WEIS business practices to facilitate the creation and maintenance of constraints that ensure the WEIS Market's economic dispatch is constrained to the combined transmission capability in Sections 1.2.11(a) and (b).~~

~~Using the data and information provided by participating Balancing Authorities, SPP will create and maintain transmission constraints that ensure the WEIS Market's economic dispatch is constrained to the combined transmission capability described in Section 1.2.11(a) and (b).~~

4.3 Coordination of Market Operations under *Transmission Operations and SPP* Congestion Management

(1) SPP will incorporate the data *provided* by reliability coordinators and ~~transmission operators participating Balancing Authorities~~ for congestion management in the dispatch solution.

This data includes:

- (a) Out-of-Merit Dispatch instructions
- (b) Binding transmission constraints
- (c) Changes in import and export transactions associated with the WEIS Market.

(2) ~~SPP will continuously activate constraints in the SCED to constrain the least cost dispatch to the transmission capability made available for use in the WEIS Market in accordance with Section 1.2.11 of Attachment A of this Tariff. SPP will update these constraints as soon as practicable when information is received from Market Participants and participating Balancing Authorities regarding changes to the transmission capability that is available for use in the WEIS Market. SPP will maintain a list on its public website of the constraints activated in the SCED pursuant to this Section 4.3(2).~~

ATTACHMENT D JOINT DISPATCH TRANSMISSION SERVICE

Service pursuant to Attachment D to this Tariff shall be applicable to i) Joint Dispatch Transmission Service Providers that have provided within their open access transmission tariff, a transmission service schedule for energy dispatched at the rate specified in Schedule 2 of this Tariff for Joint Dispatch Transmission Service on an intra-hour non-firm, as-available basis with the lowest curtailment priority and ii) Joint Dispatch Transmission Service Customers receiving Energy Imbalance Service pursuant to Schedule 1 to this Tariff.

Limited Joint Dispatch Transmission Service Provider Responsibilities. The Joint Dispatch Transmission Service Provider shall have the obligation to make available the otherwise unused physical capability of its transmission system for purposes of providing Joint Dispatch Transmission Service to support delivery of Imbalance Energy and to operate its transmission system in accordance with Good Utility Practice. For purposes of Joint Dispatch Transmission Service, the Joint Dispatch Transmission Service Provider shall have no obligation to plan, construct, or maintain its transmission system for the benefit of any Joint Dispatch Transmission Service Customer.

Restrictions on Use of Service. The Joint Dispatch Transmission Service Customer shall not use Joint Dispatch Transmission Service for (i) off-system sales of capacity or energy or (ii) direct or indirect provision of transmission service by the Joint Dispatch Transmission Service Customer to any third party. Joint Dispatch Transmission Service may be used only for receipt or delivery of energy dispatched within a Balancing Authority Area in the WEIS Market on an intra-hour, non-firm basis to serve wholesale or retail native load. Energy produced within a Resource's Operating Tolerance and in response to WEIS Market dispatch instruction is considered delivered utilizing Joint Dispatch Transmission Service.

Conditions Precedent for Receiving Service. Subject to the terms and conditions of this Attachment D of the Tariff, and related schedules and attachments, the Joint Dispatch Transmission Service Provider will provide Joint Dispatch Transmission Service to any Joint Dispatch Transmission Service Customer. Joint Dispatch Transmission Service is provided commensurate with energy dispatched within the WEIS Market pursuant to the provisions of this Tariff. As such, the Joint Dispatch Transmission Customer is not required to separately request or make application for Joint Dispatch Transmission Service. A Joint Dispatch Transmission Service Provider that also takes Joint Dispatch Transmission Service under a tariff agrees to provide

comparable service that it is capable of providing to all Joint Dispatch Transmission Service Providers on similar terms and conditions over facilities used for the transmission of electric energy in interstate commerce owned, controlled or operated by Joint Dispatch Transmission Service Providers.

SPP WEIS Revision Request Form

WRR Title: WEIS Supply Adequacy (Issue 3)		Date: 8/20/2020
SPP STAFF TO COMPLETE THIS SECTION		
WRR #: 7		
Impact Analysis Required? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If no, but system or process changes are needed please explain why an Impact Assessment will not be performed:		
System Changes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, summarize expected changes:		
Process Changes? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, summarize expected changes:		
SUBMITTER INFORMATION		
Name: Gary Cate	Company: Southwest Power Pool	
Email: gcate@spp.org	Phone: 501.614.3256	
Only Qualified Entities may submit WEIS Revision Requests. Please select <u>at least one</u> applicable option below, as it applies to the named submitter(s).		
<input type="checkbox"/> Signatory of the Western Joint Dispatch Agreement <input type="checkbox"/> Any staff member of a governmental authority having jurisdiction over the SPP Western Market Services or any WEIS Market Participant <input type="checkbox"/> Any rostered individual of an official SPP WMEC organizational group <input type="checkbox"/> Any entity designated by a Qualified Entity to submit a WEIS Revision Request "on their behalf"	<input type="checkbox"/> Any WEIS Market Participant <input type="checkbox"/> SPP Western Transmission Customers or other entities that are parties to transactions under the SPP WEIS Tariff <input type="checkbox"/> SPP Market Monitor <input checked="" type="checkbox"/> SPP Staff	
SPP WEIS REVISION REQUEST DETAILS		
Requested Resolution Timing: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Urgent Action		
Reason for Expedited/Urgent Resolution: This WEIS Revision Request requires expedited treatment, because this WRR is in response to FERC's rejection of the WEIS Tariff filing (ER20-1059-000/ER20-1060-000) and requires a time sensitive refiling.		
Type of WEIS Revision Request (select all that apply):		
<input type="checkbox"/> Correction (i.e., correcting language that is incorrect)	<input type="checkbox"/> NERC Standard Impact (<i>Specifically state if revision relates to/or impacts NERC Standards, list standard(s)</i>)	
<input type="checkbox"/> Clarification (i.e., revising existing language to better represent the intent/purpose, no changes to functionality)	<input type="checkbox"/> FERC Mandate (<i>List order number(s)</i>)	
<input checked="" type="checkbox"/> Enhancement (i.e., revising existing language to expand upon intent or functionality)		
<input type="checkbox"/> New Methodologies impacting SPP Western Markets (i.e, new language to accommodate new functionality or rules not existing today)		
REVISION REQUEST RISK DRIVERS		

Are there existing risks to one or more SPP Western Market Participants or the BES driving the need for this WRR?

Yes No

If yes, provided details to explain the risk and timelines associated:

Compliance (Tariff, WEIS Protocols, Other)

Reliability/Operations

Financial – Correction needed to ensure WEIS Market Settlements are correct and accurate.

SPP WEIS Revision Request Documents Requiring Revisions:

Please select your primary intended document(s) as well as all others known that could be impacted by the requested modification request

<input type="checkbox"/> WEIS Market Protocols	Section(s):	Document Version:
<input checked="" type="checkbox"/> WEIS Tariff	Section(s): <ul style="list-style-type: none"> • Part 1 – Definitions E • Attachment A – 2.4.2, 3.2 	Document Version:
<input type="checkbox"/> WEIS Revision Request Process	Section(s):	Document Version:
<input type="checkbox"/> [NAME OF DOCUMENT]	Section(s):	Document Version:

OBJECTIVE OF MODIFICATION

Objectives of WEIS Revision Request:

Describe the problem/issue this revision request will resolve.

Paragraph 60 of the July 16 WEIS Order stated: If SPP submits a new proposal to implement the WEIS, SPP should also consider proposing a mechanism that will ensure market participants are incentivized to maintain supply adequacy. For example, in the Western EIM, CAISO incentivizes EIM entities by limiting the imbalance imports of EIM entities that fail a resource sufficiency test.

In order to satisfy this Issue from the WEIS Order, SPP proposes to incorporate a pricing mechanism for MPs in a BA that experiences supply adequacy shortfalls. The pricing mechanism will provide an incentive for MPs to be adequate.

Describe the benefits that will be realized from this revision.

If approved, this incentive mechanism would satisfy the requirement from P 60 of the Order by limiting the imbalance imports of WEIS entities that fail the resource sufficiency test.

REVISIONS TO SPP WEIS REVISION REQUEST PROCESS DOCUMENTS

In the appropriate sections below, please provide the language from the document(s) for which you are requesting modification(s), with all edits redlined using Track Changes on from the Review tab above.

These instructions can be applied to any WRR Process Document:

1. *Open the forward looking version of the WEIS Market Protocols (.a)*
2. *Ensure Track Changes is turned off on both the forward looking protocols and this WRR Submission Form*
3. *While in the forward looking protocols, select and copy the language you would like to edit*
4. *Paste the language to this Submission form*
5. *Turn on Track Changes and make the edits you would like to propose*

Main Body – Part 1 Definitions

Energy Obligation Deficiency: A condition created, either at the Market Participant level or Balancing Authority level, when the sum of applicable Resource maximum ~~economic~~ limits in an hour is less than the applicable load forecast as adjusted for third party schedules in that hour and Ancillary Service obligations.

~~**Energy Obligation Excess:** A condition created, either at the Market Participant level or Balancing Authority level, when the sum of applicable Resource minimum economic limits in an hour is greater than the applicable load forecast as adjusted for third party schedules in that hour.~~

Attachment A

2.4.2 Review and Assessment of Resource Plans

Prior to each Operating Day and each Operating Hour, SPP shall assess the supply adequacy of operating capacity scheduled in each Market Participant's Resource Plan. SPP shall perform this assessment using the ~~S~~supply ~~A~~adequacy ~~A~~analysis described below.

Supply Adequacy Analysis

SPP will perform supply adequacy analysis to ensure that each Balancing Authority participating in WEIS Market and the Market Participants within those Balancing Authority Areas have sufficient generation in their operating plan to meet the load and Ancillary Service obligations of both the Market Participant and Balancing Authority. The supply adequacy analysis will occur on both day-ahead and hour-ahead time horizons.

The supply adequacy calculations will use the Balancing Authority load forecast performed by SPP. ~~Supply adequacy will be analyzed bi-directionally. An over-supply situation will be defined as minimum generation being greater than the load plus purchases minus sales. An under-supply situation will be defined as maximum generation being less than the load plus purchases minus sales.~~ The Market Participant or Balancing Authority will be deemed supply inadequate in the event that ~~either an over-supply situation or an Energy Obligation Deficiency~~ under-supply situation occurs.

~~After completing its assessment of Resource Plans in advance of each Operating Day and each Operating Hour, SPP will notify both~~ provide the results of its supply adequacy analysis to supply inadequate Market

Participants and the associated Balancing Authority ~~of the supply inadequacy situation existing in that area.~~

The Market Participant has until thirty (30) minutes prior to the operating hour to make conforming modification to its Resource Plan and/or Ancillary Service Plan to resolve an Energy Obligation Deficiency ~~must make the appropriate modifications not later than thirty (30) minutes prior to the Operating Hour (“OH”). If left unresolved, SPP will follow the process described in section 3.2 for any supply inadequacy revealed by the hourly study, if provided by SPP.~~

~~In all instances where the Market Participant fails to resolve an identified issue at or prior to real time, and that failure contributes to an Emergency Condition, the instance will be reported to FERC on an after-the-fact basis.~~

3.2 Hour-Ahead Resource Plan and Ancillary Service Plan Evaluation

Prior to the start of the Operating Hour and prior to real time as system availability allows, SPP ~~shall attempt to supply the results of~~ will perform a ~~S~~supply ~~A~~adequacy ~~A~~analysis for the balance of the current Operating Hour and the next Operating Hour utilizing the same methodology described under Section 2.4.2.

~~(b) — A Market Participant with an Energy Obligation Deficiency or Energy Obligation Excess in any hour during the Operating Day shall correct the deficiency or excess and resubmit revised plans and/or schedules to SPP by thirty (30) minutes prior to the applicable Operating Hour.~~

~~(b) — A Market Participant shall modify its Ancillary Service Plan and/or its Resource Plan as necessary to meet its ancillary service obligations and shall submit such modifications to SPP no later than thirty (30) minutes prior to the applicable Operating Hour.~~

(a) A Market Participant with an Energy Obligation Deficiency has until thirty (30) minutes prior to the operating hour to make conforming modification to its Resource Plan and/or Ancillary Service Plan to correct the deficiency and submit a revised Resource Plan, Ancillary Service Plan, and/or Energy Schedules to SPP.

(b) If the results of SPP’s supply adequacy analysis identifies a Balancing Authority Area with an Energy Obligation Deficiency, SPP will activate an operating constraint in the WRTBM to constrain the WEIS Market’s economic dispatch to limit Energy Imbalance imports into the deficient Balancing Authority Area from other participating Balancing Authority Areas. The operating constraint will be active in the WRTBM until the Energy Obligation Deficiency is no longer identified in the supply adequacy analysis.

WEIS Revision Request Comment Form

WRR #: 8	Date: 8/24/2020
WRR Title: WEIS Marginal Losses (Issue 4)	
SUBMITTER INFORMATION	
Name: Daniel Harless	Company: Southwest Power Pool
Email: dharless@spp.org	Phone: 501.688.8303
OBJECTIVE OF REVISION	
<p>Objectives of WEIS Revision Request: <i>Describe the problem/issue this revision request will resolve.</i></p> <p>In Paragraph 62 of the order rejecting SPP's filing in dockets ER20-1059/ER20-1060, the Commission states:</p> <p>Under a locational marginal pricing construct, the Commission has held that the use of marginal losses better represents the optimal and efficient solution for settlements. As such, if SPP submits a new proposal to implement the WEIS, SPP should consider including marginal losses in dispatch and LMP in order to minimize imbalance costs, provide prices that accurately reflect marginal costs, and preserve resources' incentives to follow dispatch. The omission of marginal losses from dispatch prevents production costs from being minimized and could result in a less efficient market solution, especially in a geographically large market such as the WEIS Market. A market design that includes marginal losses would be consistent with other markets such as the Western EIM and the Commission's finding when directing PJM Interconnection, L.L.C. to implement marginal losses that "[t]he locational marginal loss provision is consistent with similar tariff provisions in other RTO tariffs" and the "total cost of meeting load would be reduced" and "would produce a more efficient allocation of resources." Therefore, if SPP submits a new proposal to implement the WEIS, SPP should consider incorporating marginal losses in dispatch and LMP, regardless of which approach SPP ultimately utilizes to settle losses with market participants.</p> <p>SPP agrees with the Commission that the use of marginal losses in the market would improve the efficiency of the dispatch of the WEIS Market. In this revision request, a marginal loss component (MLC) is proposed to be added to the LMP calculation. To avoid the settlement of marginal losses on the quantity of Imbalance Energy submitted by Market Participants as average losses in their meter data, a Loss Adjustment Factor will be applied to adjust the final Imbalance Energy megawatt quantity at each Load Settlement Location by the marginal loss impact calculated by the market clearing engine.</p> <p><i>Describe the benefits that will be realized from this revision.</i></p> <p>With the addition of the MLC for use in pricing and dispatch, the WEIS Market will satisfy the issue raised by the Commission in Paragraph 62 of the WEIS Order. Additionally, the WEIS Market will realize the benefits of a more efficient dispatch.</p>	
COMMENTS	
<p>These comments to WRR8 are to clarify the intent of the Loss Adjustment Factor (LAF) in Section 5.1 to only apply at load Settlement Locations when the load Settlement Locations have to purchase Imbalance Energy obligation in Native Load Hedging (NLH). The LAF does not apply to Resource Settlement Locations or load Settlement Locations that are not purchasing Imbalance Energy. These comments also make minor corrections to the equations in 4.4.2 and correct the sentence in 4.4.3 due to the addition of the MLC.</p>	
PROPOSED REVISION(S)	
<p><i>In the appropriate sections below, provide proposed revisions to the WEIS Revision Request for which you are providing comments. Use the language from the WEIS Revision Request Submission Form or the Recommendation Report, whichever is more recent.</i></p>	

1. Open the document containing the language you would like to edit, e.g., WRR Submission Form or WRR Recommendation Report
2. Ensure Track Changes is turned off on both the forward looking protocols and this WRR Submission Form. Track Changes is located on Review tab above.
3. While in the document containing the language you are proposing edits to, select and copy the language you would like to edit
4. Paste the language to this Comment Form
5. Turn on Track Changes and make the edits you would like to propose

WEIS Tariff

WEIS Tariff

4.4 Calculation of Locational Marginal Prices

The LMP at a PNode is the cost of delivering an incremental MW of energy at that specific PNode, while satisfying all operational constraints where such cost will include applicable VRL prices if the incremental MW of energy causes a corresponding increase in shortage conditions where such VRL prices and shortage conditions are as described under Section 4.6 of this Attachment A. The LMP at any PNode is the sum of ~~two~~three components: the marginal costs of Energy (“MEC”), the marginal cost of losses (“MLC”), and the marginal cost of congestion (“MCC”).

LMP components at PNode_i are calculated based upon the following formula:

$$LMP_i = MEC + \text{MLC}_i + MCC_i$$

Where:

(1) MEC is the component of LMP_i representing the marginal cost of Energy;

(2) MLC_i is the component of LMP_i representing the marginal cost of losses at PNode_i relative to the Reference Bus;

(23) MCC_i is the component of LMP_i representing the marginal cost of congestion at ENode_i relative to the Reference Bus; and

(34) The Reference Bus represents the network distributed load bus.

4.4.1 Marginal Loss Component Calculation

The MLC at each Pnode i is defined by the following equations:

$$\text{MLC}_i = -\text{MLSF}_i * \text{MEC}$$

$$\text{MLSF}_i = \partial (\text{WEIS Transmission Losses}) / \partial P_i$$

Where:

(1) $MLSF_i = \text{Marginal Loss sensitivity factor at PNode } i$;

(2) MEC is the component of LMP_i representing the marginal cost of Energy;

(3) $P_i = \text{Net Injection at PNode } i$.

The $MLSF_i$ is a linearized estimate of the change in the transmission losses that will result from a 1 MW injection at PNode i coupled with a corresponding withdrawal at the Reference Bus to maintain global power balance. Marginal loss sensitivity factors are dependent on topology, node injections and node withdrawals.

4.4.12 Marginal Congestion Component Calculation

The MCC at each PNode $_i$ is defined by the following equations:

$$MCC_i = - (Sensi_k * SP_k)$$

$$Sensi_k = \frac{\partial Flow_k}{\partial P_i}$$

Where:

- (1) K is the number of transmission constraints;
- (2) $Sensi_k$ is the linearized estimate of the change in the constraint k flow resulting from an incremental energy injection at PNode $_i$ coupled with an incremental energy withdrawal at the Reference Bus;
- (3) SP_k is the Shadow Price of constraint k ;
- (4) $Flow_k$ = Calculated flow for constraint k ;
- (5) P_i = Net injection at PNode $_i$.

4.4.23 Marginal Energy Component Calculation

The MEC is defined as the computed LMP at the Reference Bus. By definition, the MCC and MLC components is are zero (0) at the Reference Bus.

4.4.34 Market System Outages

In the event of a WEIS Market systems outage that results in a loss of data required for calculation of Locational Marginal Prices, Imbalance Energy will continue to be settled financially under this Tariff based upon estimated Locational Marginal Prices. SPP shall notify Market Participants if Imbalance Energy is to be settled using estimated prices. The estimated Locational Marginal Prices shall be calculated as follows:

- (i) If Locational Marginal Pricing data is missing for two hours or less, the most recently calculated Locational Marginal Prices for each affected Settlement Location shall be utilized for settlement purposes for each of the Dispatch Intervals in which Locational Marginal Pricing data is missing.
- (ii) If more than two hours of Locational Marginal Pricing data is missing, the Locational Marginal Prices for each Dispatch Interval for which data is missing shall be calculated on a Settlement Area basis based upon the cost associated with the provision of Schedule 1 Service. The cost associated with provision of Schedule 1 Service shall be computed as the greater of (1) actual cost of the highest-cost MWh of Energy procured for the purposes of providing Schedule 1 Service, if such Energy was procured; or (2) the fuel cost and other variable costs associated with the production of the highest-cost MWh of Energy produced for the purpose of providing Schedule 1 Service, such costs not to include opportunity costs. SPP must specifically request the Schedule 1 Service cost information from affected Settlement Area suppliers and the affected Settlement Area suppliers must provide the requested cost information to SPP no later than 24 hours after the request is made.

5.1 Calculation of WEIS Market Settlement Quantities

SPP shall calculate each Market Participant's Imbalance Energy per ~~hour~~ Dispatch Interval by Asset Owner at each Settlement Location as follows. The settlement interval for Imbalance Energy shall be a Dispatch Interval.

- (a) The sum of the Reported Load within a Settlement Area must equal the Settlement Area Net Load. To the extent that SPP observes that a difference exists, SPP shall adjust each Market Participant's Reported Load within the Settlement Area such that the sum of Reported Load within the Settlement Area is equal to the Settlement Area Net Load. The adjustments to Reported Load within the Settlement Area shall be performed by SPP utilizing interval meter data as described in the WEIS Market Protocols. To the extent that the Reported Load is associated with Statutory Obligations, the Reported Load shall not be adjusted.

~~To the extent that the Reported Load is associated with a Meter Data Submittal Location that includes a Demand Response Load, SPP shall adjust such Reported Load by adding all associated calculated or submitted Demand Response Resource output to such Reported Load, where the calculated Demand Response Resource output is as described under Section 1.2.9 of this Attachment A.~~

- (b) Load obligation is calculated by Asset Owner based on energy exported out of the WEIS Market Footprint plus the Reported Load meter values adjusted for energy scheduled from other entities.
- (c) Resource supply by Asset Owner is based on energy imported into the WEIS Market Footprint plus the reported Resource meter values adjusted for energy scheduled to any other entity. First, the energy imported into the WEIS Market Footprint is applied to serve the load. Second, energy from non-dispatchable Resources are applied to serve the remaining load followed by dispatchable Resources in the order of least cost submitted Resource Offers.
- (d) Imbalance Energy for each Dispatch Interval is calculated as the difference between load obligation and Resource supply by Asset Owner at each Settlement Location within the WEIS Market Footprint. In order to ensure appropriate loss accounting in the calculation of Imbalance Energy, SPP will utilize a Loss Adjustment Factor (LAF) for each Settlement Location. This factor will be determined through the Network Model and applied to the MW quantity of Imbalance Energy to be settled to all withdrawals of Imbalance Energy at a Load Settlement Location. If the load obligation is greater than the Resource supply at a Load Settlement Location then a charge or credit will be calculated by multiplying the Imbalance Energy by the load LMP and the LAF. If the load obligation is less than Resource supply or the Imbalance Energy is not at a Load Settlement Location, a charge or credit will be calculated by multiplying the Imbalance Energy by the Resource LMP and the LAF.

SPP WEIS Revision Request Form

WRR Title: WEIS Demand Response		Date: 8/24/2020
SPP STAFF TO COMPLETE THIS SECTION		
WRR #: 9		
Impact Analysis Required? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If no, but system or process changes are needed please explain why an Impact Assessment will not be performed:		
System Changes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, summarize expected changes:		
Process Changes? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, summarize expected changes:		
SUBMITTER INFORMATION		
Name: Patti Kelly	Company: Southwest Power Pool	
Email: pkelly@spp.org	Phone: 501.614.3381	
Only Qualified Entities may submit WEIS Revision Requests. Please select <u>at least one</u> applicable option below, as it applies to the named submitter(s).		
<input type="checkbox"/> Signatory of the Western Joint Dispatch Agreement <input type="checkbox"/> Any staff member of a governmental authority having jurisdiction over the SPP Western Market Services or any WEIS Market Participant <input type="checkbox"/> Any rostered individual of an official SPP WMEC organizational group <input type="checkbox"/> Any entity designated by a Qualified Entity to submit a WEIS Revision Request "on their behalf"	<input type="checkbox"/> Any WEIS Market Participant <input type="checkbox"/> SPP Western Transmission Customers or other entities that are parties to transactions under the SPP WEIS Tariff <input type="checkbox"/> SPP Market Monitor <input checked="" type="checkbox"/> SPP Staff	
SPP WEIS REVISION REQUEST DETAILS		
Requested Resolution Timing: <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Urgent Action		
Reason for Expedited/Urgent Resolution: This WEIS Revision Request requires expedited treatment, because this WRR is in response to FERC's rejection of the WEIS Tariff filing (ER20-1059-000/ER20-1060-000) and requires a time sensitive refiling.		
Type of WEIS Revision Request (select all that apply):		
<input type="checkbox"/> Correction (i.e., correcting language that is incorrect) <input checked="" type="checkbox"/> Clarification (i.e., revising existing language to better represent the intent/purpose, no changes to functionality) <input type="checkbox"/> Enhancement (i.e., revising existing language to expand upon intent or functionality) <input type="checkbox"/> New Methodologies impacting SPP Western Markets (i.e, new language to accommodate new functionality or rules not existing today)	<input type="checkbox"/> NERC Standard Impact (<i>Specifically state if revision relates to/or impacts NERC Standards, list standard(s)</i>) <input type="checkbox"/> FERC Mandate (<i>List order number(s)</i>)	
REVISION REQUEST RISK DRIVERS		

Are there existing risks to one or more SPP Western Market Participants or the BES driving the need for this WRR?

Yes No

If yes, provided details to explain the risk and timelines associated:

Compliance (Tariff, WEIS Protocols, Other)

Reliability/Operations

Financial – Correction needed to ensure WEIS Market Settlements are correct and accurate.

SPP WEIS Revision Request Documents Requiring Revisions:

Please select your primary intended document(s) as well as all others known that could be impacted by the requested modification request

<input type="checkbox"/> WEIS Market Protocols	Section(s):	Document Version:
<input checked="" type="checkbox"/> WEIS Tariff	Section(s): Attachment A, Section 5.2	Document Version:
<input type="checkbox"/> WEIS Revision Request Process	Section(s):	Document Version:
<input type="checkbox"/> [NAME OF DOCUMENT]	Section(s):	Document Version:

OBJECTIVE OF MODIFICATION

Objectives of WEIS Revision Request:

Describe the problem/issue this revision request will resolve.

Question 10 of the Deficiency Letter from the Commission in the original WEIS Filing asked SPP to: "Please clarify whether demand response resources will be compensated at LMP like other Market Participants offering resources in the WEIS Market and if not, please explain how they will be compensated and why."

SPP responded with: "Demand Response is treated the same as any other Resource, since it is in direct competition with other Resources. There, the Imbalance Energy at a Demand Response resource is settled at LMP." To clarify this in the WEIS Tariff, SPP proposes to add this to the WEIS Tariff in Attachment A, Section 5.2 as included below.

Describe the benefits that will be realized from this revision.

This change will clarify that demand response Resources are settled at LMP like other Resources

REVISIONS TO SPP WEIS REVISION REQUEST PROCESS DOCUMENTS

In the appropriate sections below, please provide the language from the document(s) for which you are requesting modification(s), with all edits redlined using Track Changes on from the Review tab above.

These instructions can be applied to any WRR Process Document:

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4. Paste the language to this Submission form
5. Turn on Track Changes and make the edits you would like to propose

5.2 Energy Imbalance Service Charges/Credits

SPP shall calculate each Asset Owner's Energy Imbalance Service Charge/Credit for each Dispatch Interval as that Asset Owner's Imbalance Energy within the Settlement Area, including demand response Resources, multiplied by the Locational Marginal Price for that Settlement Location. To calculate actual Imbalance Energy in a Dispatch Interval for Market Participants that have not directly submitted five (5) minute interval meter data, SPP allocates the submitted hourly meter data for Resources and loads into five (5) minute values using five (5) minute telemetered or State Estimator profiles for the corresponding hour. The profiling of the hourly meter data maintains the shape of the five (5) minute telemetered or State Estimator values even if there are both positive and negative values contained within the twelve (12) intervals.

The subsections that follow below describe the WEIS settlement charge types. For each charge type, the calculation is performed either at the Dispatch Interval level or hourly level for each Asset Owner at each Settlement Location. SPP shall calculate hourly summations for each Market Participant for all Asset Owners it represents and shall calculate daily summations as specified in the WEIS Market Protocols.

SOUTHWEST POWER POOL
Western Markets Executive Committee & Western Markets Working Group Joint
Meeting
August 26th, 2020
Net-Conference

SUMMARY OF MOTIONS AND ACTION ITEMS

MOTIONS:

1. **Agenda Item 1 – Administrative Items**

WMEC Motion: Clay MacArthur (Deseret) motioned to approve the agenda as presented. Tom Christensen (BEPC) provided the second. Motion carried unanimously.

2. **Agenda Item 2a – WRR7 WEIS Supply Adequacy (Issue 3)**

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR7 (WEIS Supply Adequacy (Issue 3)). Jeff Lindsay (MEAN) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR7 (WEIS Supply Adequacy (Issue 3)) as modified during the meeting. Neil Lindgren (WAPA) provided the second. Motion carried unanimously.

WMEC Motion: Clay MacArthur (Deseret) motioned to approve WRR7 (WEIS Supply Adequacy (Issue 3)) as recommended to the WMEC by the WMWG. Jonathan Aust (WAPA) provided the second. Motion carried unanimously.

3. **Agenda Item 2b – WRR8 WEIS Marginal Losses (Issue 4) SPP Comments 082420**

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR8 (WEIS Marginal Losses (Issue 4)). Chris Powell (WAPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR8 (WEIS Marginal Losses (Issue 4)) SPP Comments 082420. Rosemary Henry (WMPA) provided the second. Motion carried unanimously.

WMEC Motion: Tom Christensen (BEPC) motioned to approve WRR8 (WEIS Marginal Losses (Issue 4)) as recommended to the WMEC by the WMWG. Clay MacArthur (Deseret) provided the second. Motion carried unanimously.

4. Agenda Item 2c – WRR9 WEIS Demand Response

WMWG Motion: Mike Mason (TSGT) motioned to approve expedited review of WRR9 (WEIS Demand Response). Rosemary Henry (WMPA) provided the second. Motion carried unanimously.

WMWG Motion: Mike Mason (TSGT) motioned to approve WRR9 (WEIS Demand Response). Neil Lindgren (WAPA) provided the second. Motion carried unanimously.

WMEC Motion: Clay MacArthur (Deseret) motioned to approve WRR9 (WEIS Demand Response) as recommended to the WMEC by the WMWG. Tom Christensen (BEPC) provided the second. Motion carried unanimously.

ACTION ITEMS:

No new action items were taken during this meeting.

FUTURE MEETINGS AND TOPICS:

WMWG/WMEC Joint Meeting

Friday, August 28th, 2020 (12:00 p.m. – 4:00 p.m., CPT)

Location: Net-Conference

Respectfully Submitted – Kristen Darden on behalf of David Kelley, WMEC Staff Secretary and Daniel Harless, WMWG Staff Secretary