

MARKETS



DEVELOPMENT UPDATE

JANUARY 19, 2022



Working together to responsibly and economically keep the lights on today and in the future.



SouthwestPowerPool



SPPorg



southwest-power-pool



Southwest Power Pool
**WESTERN
ENERGY
SERVICES**

WELCOME AND OVERVIEW

BRUCE REW

AGENDA

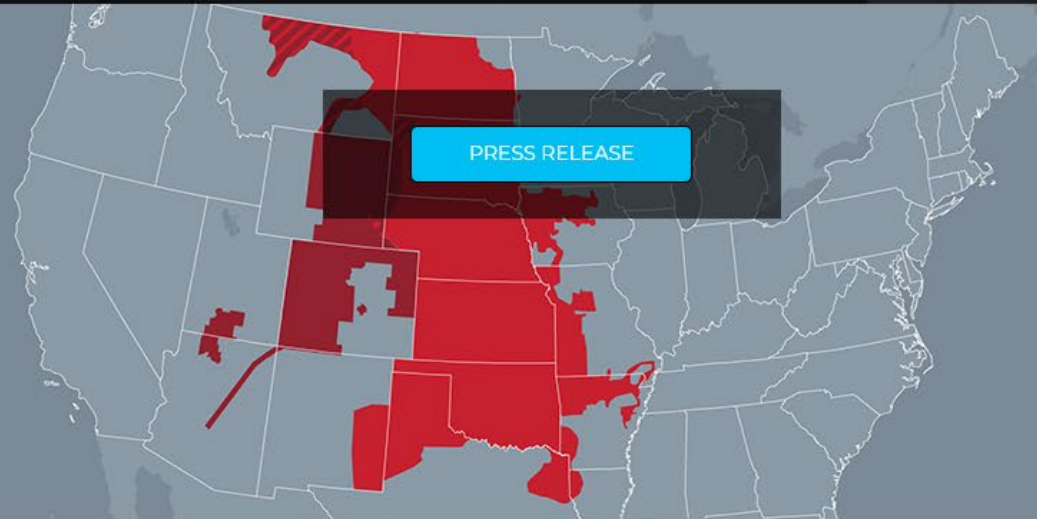
- Welcome and Overview
Bruce Rew
- Markets+ Email Exploder Distribution List
Derek Wingfield
- Markets+ Survey Summary
Bruce Rew
- Introduce Design Team Topics and Leadership
 - Governance Design Team
Kara Fornstrom
 - Transmission Availability Design Team
Steve Johnson
 - Market Products/Price Formation Design Team
Jim Gonzalez
- Next Steps
Bruce Rew
- Open Discussion/Questions
Bruce Rew

MARKETS+ “EXPLODER” DISTRIBUTION LIST

DEREK WINGFIELD

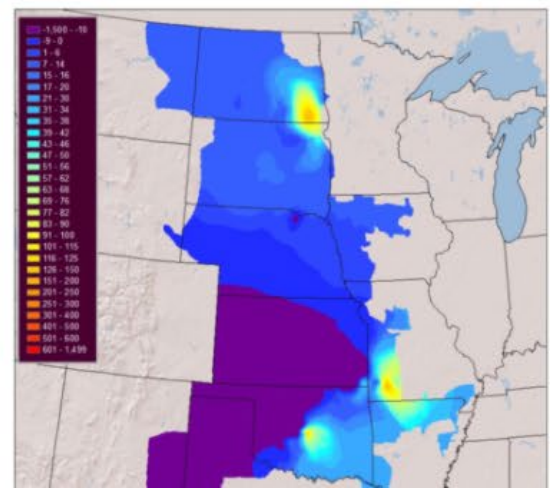


Board of directors approves western RTO expansion terms and conditions.

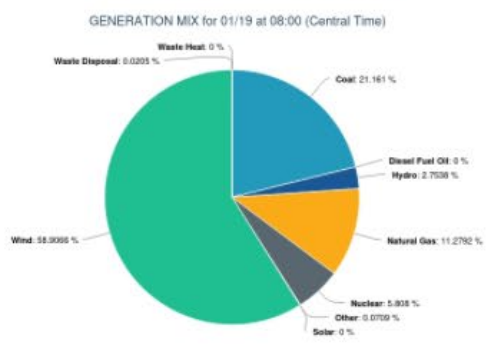


Working together to responsibly and economically keep the lights on today and in the future.

Price Contour Map

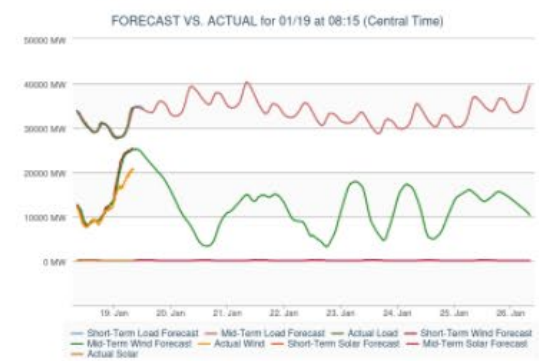


Generation Mix



SEE MORE

Forecast vs. Actual



SEE MORE

STAKEHOLDER GROUPS

Select a committee, working group or task force listed below to view a complete summary. Each page contains an overview, roster and related documents. The [SPP Group Organizational Chart](#) lists SPP's groups and their respective chairs and secretaries.

To keep updated about SPP organizational group activities, subscribe to [The Org Report](#), a monthly e-newsletter that summarizes the groups' key activities. To subscribe, visit our [Exploder page](#), fill in the blanks and select Organizational Group E-Newsletter.

[ORGANIZATIONAL GROUPS](#) >

[ADVISORY GROUPS](#) >

[USER FORUMS](#) >

WESTERN ENERGY SERVICES STAKEHOLDER GROUPS ▼

- [Enhanced Curtailment Calculator Working Group](#)
- [Markets+ Development](#)
 - [Markets+ Governance Design Team](#)
 - [Markets+ Market Products and Price Formation Design Team](#)
 - [Markets+ Transmission Availability Design Team](#)
- [Qualified Owners and Operators](#)
 - [Unscheduled Flow Committee](#)
- [Western Markets Executive Committee](#)
 - [Western Markets Working Group](#)

STAKEHOLDER GROUPS

[ORGANIZATIONAL GROUPS](#) >

[ADVISORY GROUPS](#) >

[USER FORUMS](#) >

[WESTERN ENERGY SERVICES STAKEHOLDER GROUPS](#) >

[RETIRED GROUPS](#) >

MARKETS+ GOVERNANCE DESIGN TEAM

Markets+ Governance Design Team

Upcoming Events

[VIEW ALL](#)

Markets+ Governance Design Session

LOCATION:

TIME: April 04, 2022 12:00PM - 1:30PM

REGISTER:

Attending Through:

Markets+ Governance Design Session

LOCATION:

TIME: April 18, 2022 12:00PM - 1:30PM

REGISTER:

Attending Through:

Document Groups



Markets+ Governance
Design Team
Documents

QUICK LINKS

[ORGANIZATIONAL GROUPS](#) >

[ADVISORY GROUPS](#) >

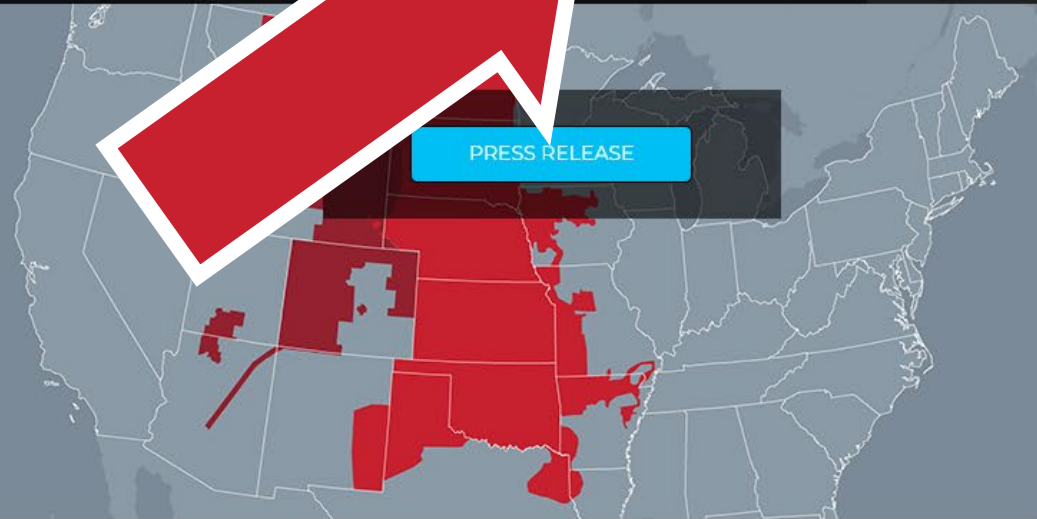
[USER FORUMS](#) >

[WESTERN ENERGY SERVICES STAKEHOLDER GROUPS](#) >

- Enhanced Curtailment Calculator Working Group
- **Markets+ Development**
 - **Markets+ Governance Design Team**
 - Markets+ Market Design Team
 - Markets+ Transmission Design Team
- Qualified Owners and Operators
- Western Markets Executive Committee
- Western Reliability Executive Committee

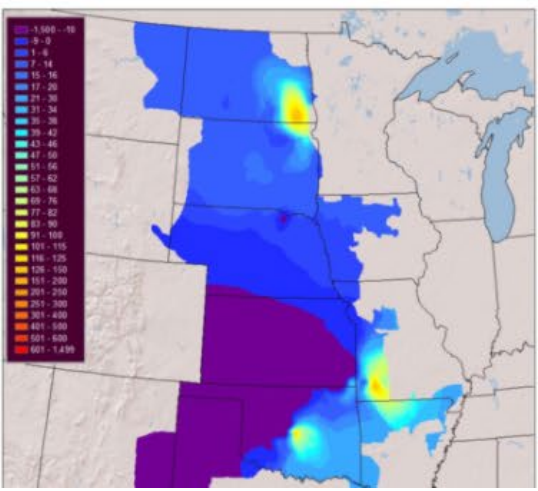
[RETIRED GROUPS](#) >

SPP board of directors approves **western RTO expansion** terms and conditions.

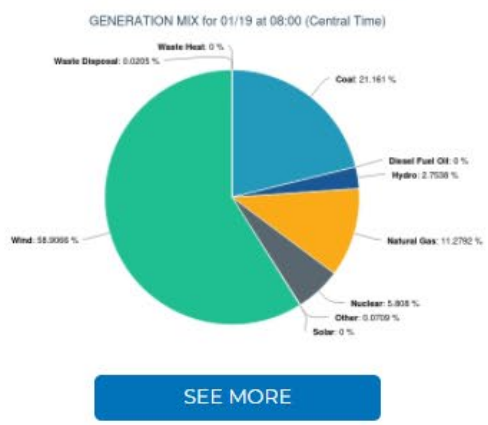


Working together to responsibly and economically keep the lights on today and in the future.

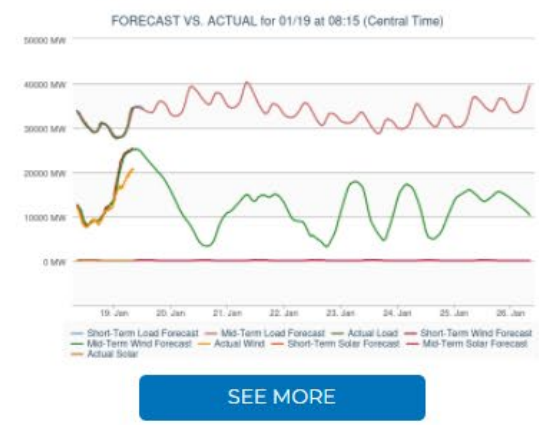
Price Contour Map



Generation Mix





Forecast vs. Actual





CREATE AN ACCOUNT


To register for events, fill out the form below:


 **First Name:**


 **Last Name:**


 **Title:**


 **Company:**


 **Phone:**


 **Email:**


 **Email repeat:**

 **Address:**


 **City:**


 **State/Province:** **Postal Code:**

 **Username:**

 **Dietary Restrictions:**

- Vegetarian
- Vegan
- Gluten-Intolerant
- Shellfish
- Fish
- Egg
- Milk
- Nut
- Other

 **User Type:**

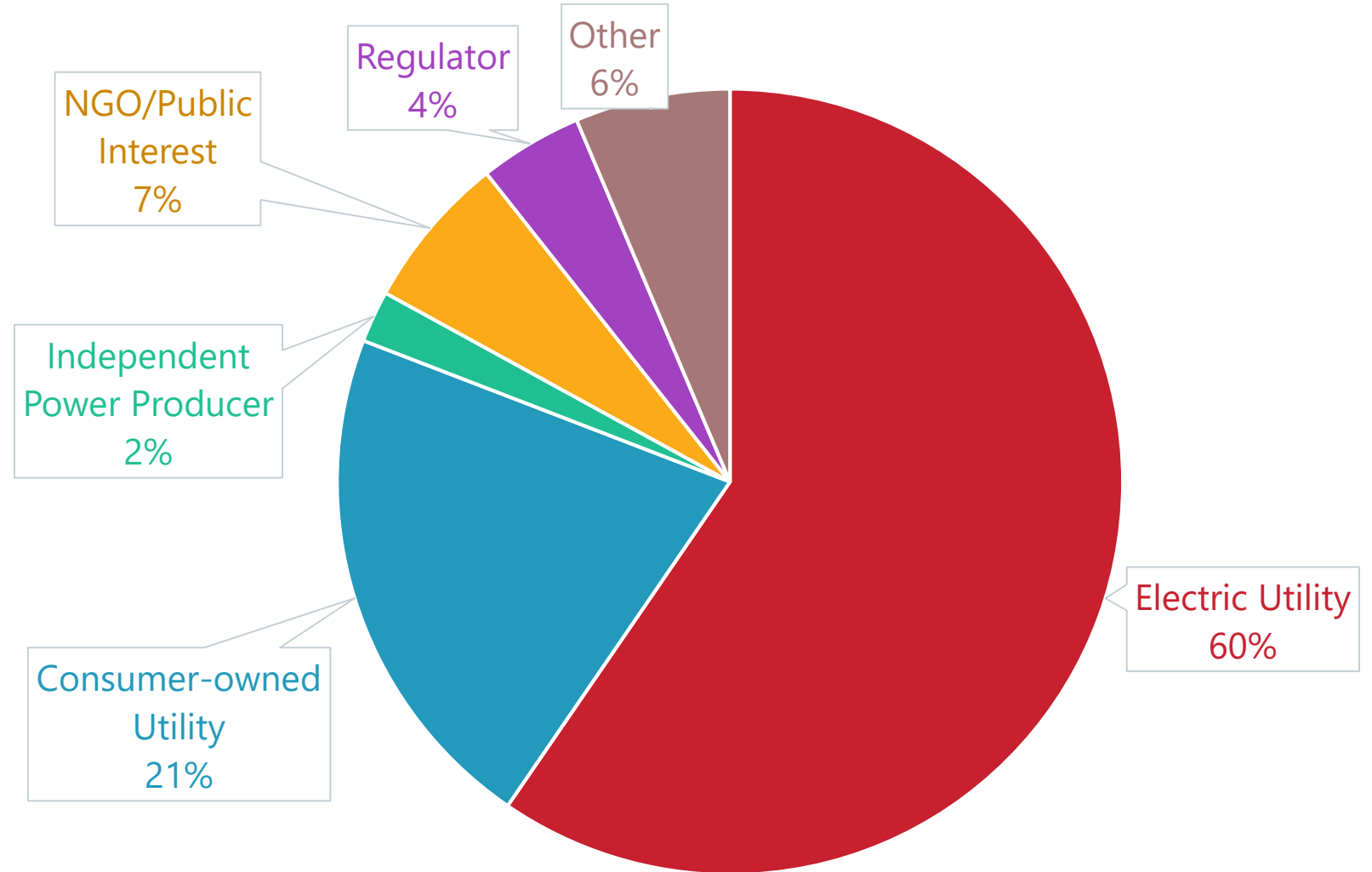
 **Exploder Lists:**

MARKETS+ SURVEY SUMMARY

BRUCE REW

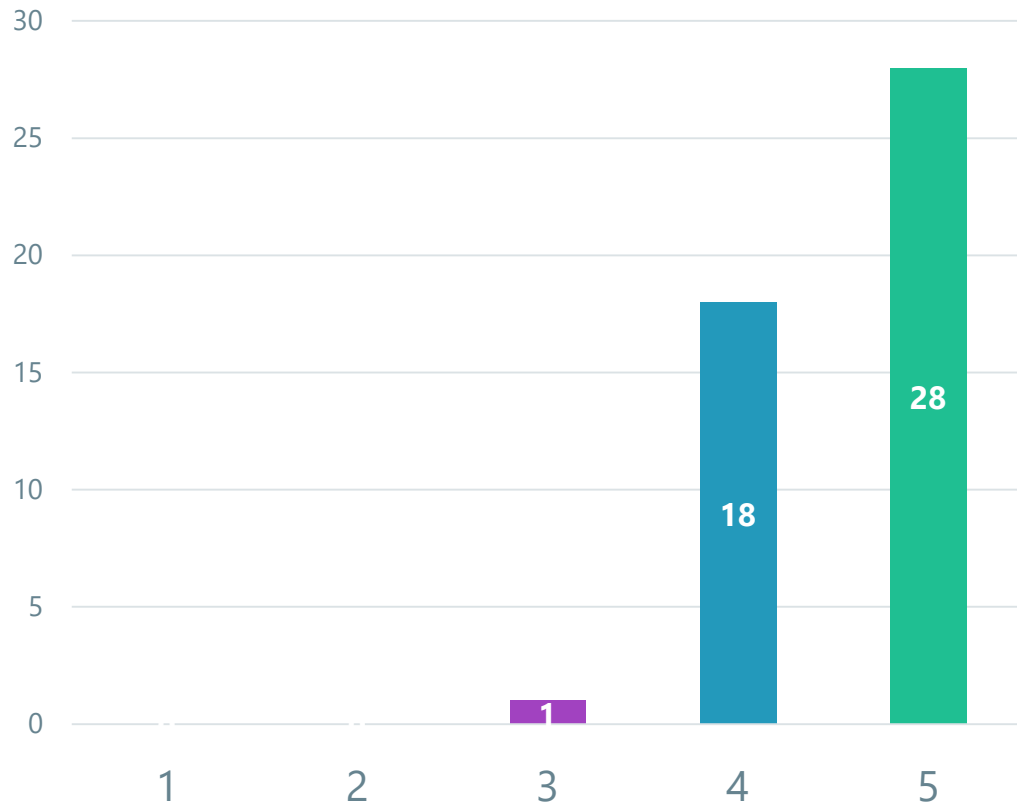
MARKETS+ INTEREST SURVEY

- The survey was sent to 202 people
- We received 47 completed responses.

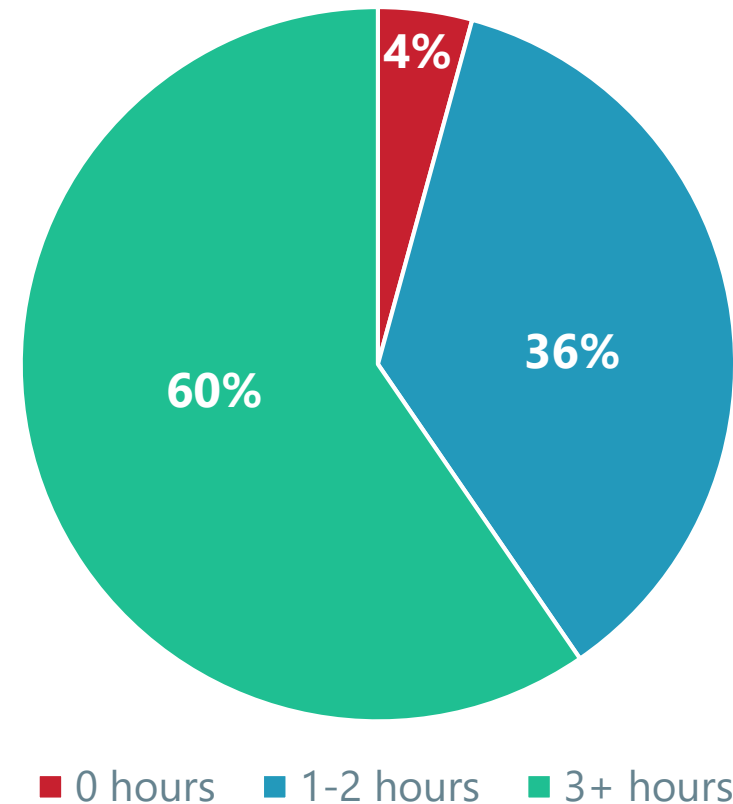


LEVELS OF INTEREST AND ENGAGEMENT

“Please indicate the level of interest you have in Markets+ (5 being the highest)”

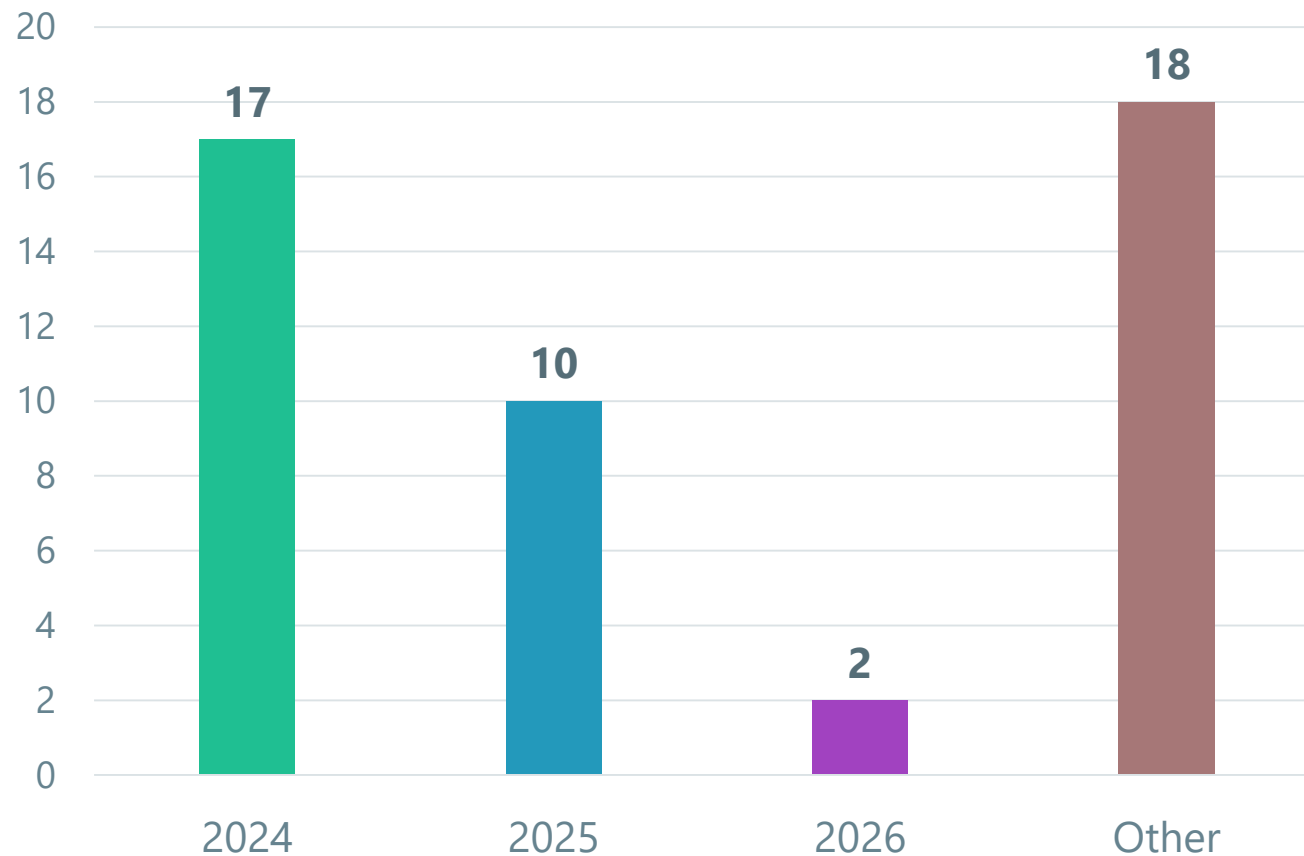


“How many hours per week is your company able to devote to developing Markets+”



TIMING OF MARKETS+ OFFERING

“When would you like to see Markets+ be available as a service offering in the Western Interconnection?”



Sample of “Other Responses”:

- “I am closely monitoring”
- “Not as concerned with the specific date...”
- “A date should not drive this process...”
- “Full RTO by 2030 with incremental services offerings...”
- “As soon as practical, but no later than 2028...”
- “Whenever participants believe the design is well established and ready”

MARKETS+ INTEREST SURVEY

“Please rank your priority of the following topics (1 being the highest priority)*”

TYPE	AVERAGE RANK	RANKED #1	RANKED #1-#3
Governance	2.98	50%	65%
Market Products	3.96	15%	52%
Peer-to-Peer Seams	5.52	4%	22%
Accurate Price Formation	3.63	11%	52%
GHG Treatment	5.11	2%	30%
Transmission Availability	3.80	7%	41%
Congestion Rate Allocation	5.09	2%	20%
Market Monitor and Oversight	5.91	9%	17%

DESIGN TEAM TOPICS AND LEADERSHIP

GOVERNANCE DESIGN TEAM

KARA FORNSTROM

GOVERNANCE DESIGN TEAM

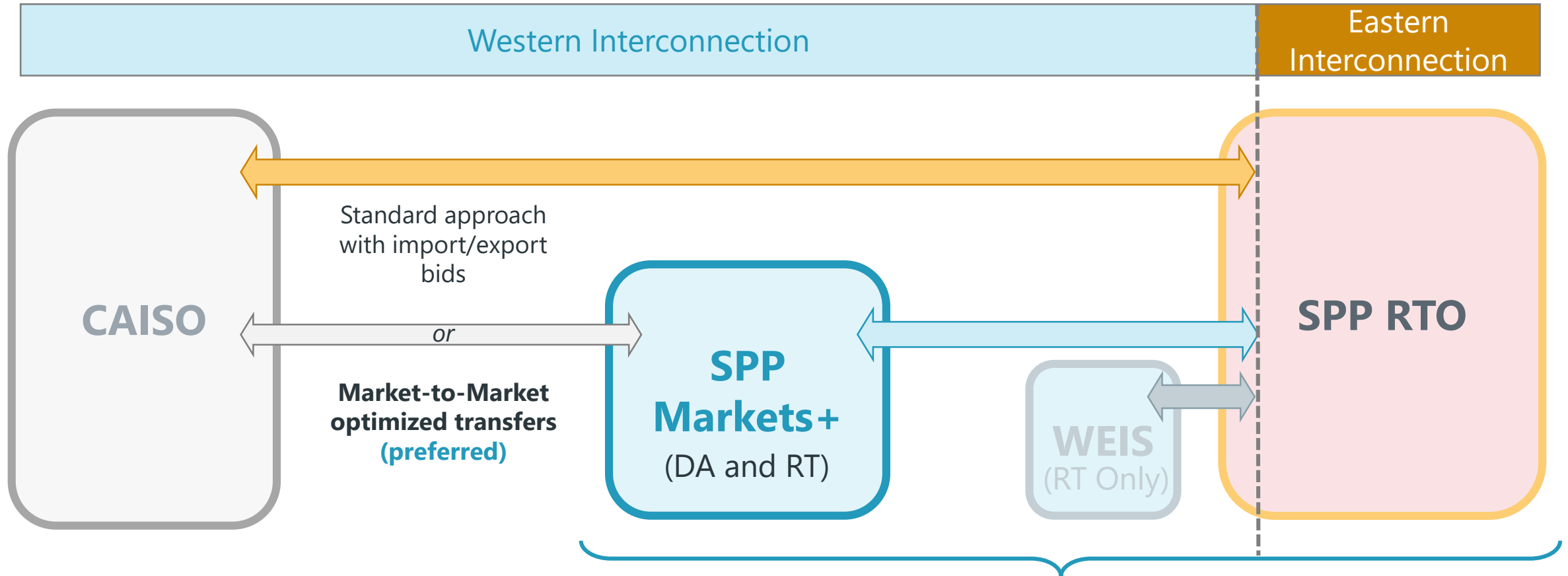
STAKEHOLDER LEADS		
Sarah Edmonds	Director, Transmission Services	Portland General Electric
Aly Koslow	Director, Federal Regulatory Affairs and Compliance	Arizona Public Service
David Rubin	Federal Energy Policy Director	NV Energy

SPP Support Team	
Kara Fornstrom	Director, State Regulatory Policy
Mike Riley	Associate General Counsel
Nicole Wagner	Manager, Regulatory Policy
Patti Kelly	Lead Regulatory Analyst

GOVERNANCE DESIGN TEAM

- Meeting Cadence:
 - Beginning Jan. 31, every other Monday
 - Two Hours starting at 10:00 Pacific, 11:00 Mountain, Noon Central
- Initial Topics
 - Operational
 - What are we Governing?
 - How does Markets+ fit in with other Western services?
 - Foundational
 - SPP Board of Directors

WESTERN MARKETS ROADMAP



Ideally a single co-optimized unit commitment and dispatch under a robust governance framework with an independent board

TRANSMISSION AVAILABILITY DESIGN TEAM

STEVE JOHNSON

TRANSMISSION AVAILABILITY TEAM

STAKEHOLDER LEADS		
Joe Taylor	Manager, Transmission Access	Xcel Energy
Chris Hofmann	Director Transmission & Generation Operations	Salt River Project
Mike Linn	Director, Market Analytics	Public Power Council

SPP Support Team	
Steve Johnson	Principal Operations Specialist
Hamilton Bitely	Senior Operations Analyst

TRANSMISSION AVAILABILITY DESIGN TEAM

Meeting Cadence

- To be determined by February 2nd meeting

Initial Topics

- Design principles and objectives
- Transmission availability vs OATT rights
- Use and associated compensation

MARKET PRODUCTS & PRICE FORMATION DESIGN TEAM

JIM GONZALEZ
GARY CATE

MARKET PRODUCTS AND PRICE FORMATION DESIGN TEAM

STAKEHOLDER LEADS		
Jeff Spires	Director, Power	Powerex
Carrie Simpson	Director, Western Markets	Xcel Energy
Brian Cole	General Manager, Resource Management	Arizona Public Service
Russ Mantifel	Director of Market Initiatives	Bonneville Power Administration

SPP Support Team	
Jim Gonzalez	Manager, Real Time Markets
Gary Cate	Manager, Market Design

MARKET PRODUCTS AND PRICE FORMATION DESIGN TEAM

Team Meeting Cadence

- To be determined by February 2nd meeting

Initial Topics

- Design principles and objectives
- Market timelines
- Market products

NEXT STEPS

BRUCE REW

Step 1

Step 2

Step 3

Step 4

Step 5

Seek interested parties
Information gathering

Distribute gathered feedback
Develop timeline and next steps
Complete feasibility and cost-benefit analyses

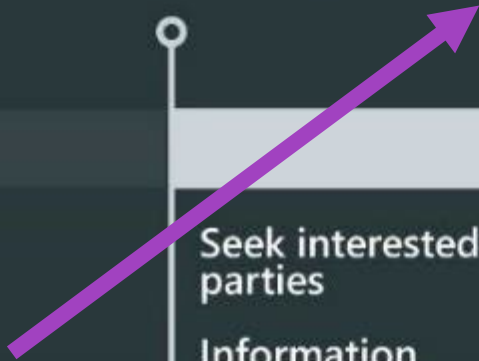
Conduct inclusive stakeholder process with committed parties

Obtain Board approval
Seek FERC approval

Launch



We are here



MEETING SCHEDULE

- January 31st – Governance Design Team
- February 1st and 2nd In Person Meeting – Cancelled
- February 1st – Transmission Availability Design Team
- February 2nd – Markets+ Developments Update
- February 16th – Markets+ Developments Update
- March 29th-30th – In Person in Portland

QUESTIONS & DISCUSSION

Questions or comments?

Contact us at:

marketsplus@spp.org



Southwest Power Pool
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ENERGY
SERVICES**