



JOINT QUARTERLY STAKEHOLDER MEETING

January 25, 2021 - WebEx

Agenda

3:00 p.m.

(The Joint Quarterly Stakeholder Briefing Meeting will begin after the RSC Business Meeting concludes)

Call to Order..... Mr. Larry Altenbaumer

Quarterly Briefings

- 1. Federal Energy Regulatory Commission (FERC) Update.....Mr. Patrick Clarey
- 2. Integrated Marketplace & Operations Update.....Mr. Bruce Rew
- 3. Western Operations.....Mr. Bruce Rew
- 4. ITP Update.....Mr. Antoine Lucas
- 5. HITT Implementation Update.....Mr. Paul Suskie
- 6. SCRIPT Update.....Mr. Mark Crisson
- 7. FERC Order No. 2222 Task Force.....Mr. Michael Desselle
- 8. Strategic Planning Process..... Mr. Larry Altenbaumer

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.



INTEGRATED MARKETPLACE AND OPERATIONS UPDATE

BRUCE REW, PE

SENIOR VICE PRESIDENT, OPERATIONS



SPP INTEGRATED MARKETPLACE UPDATE

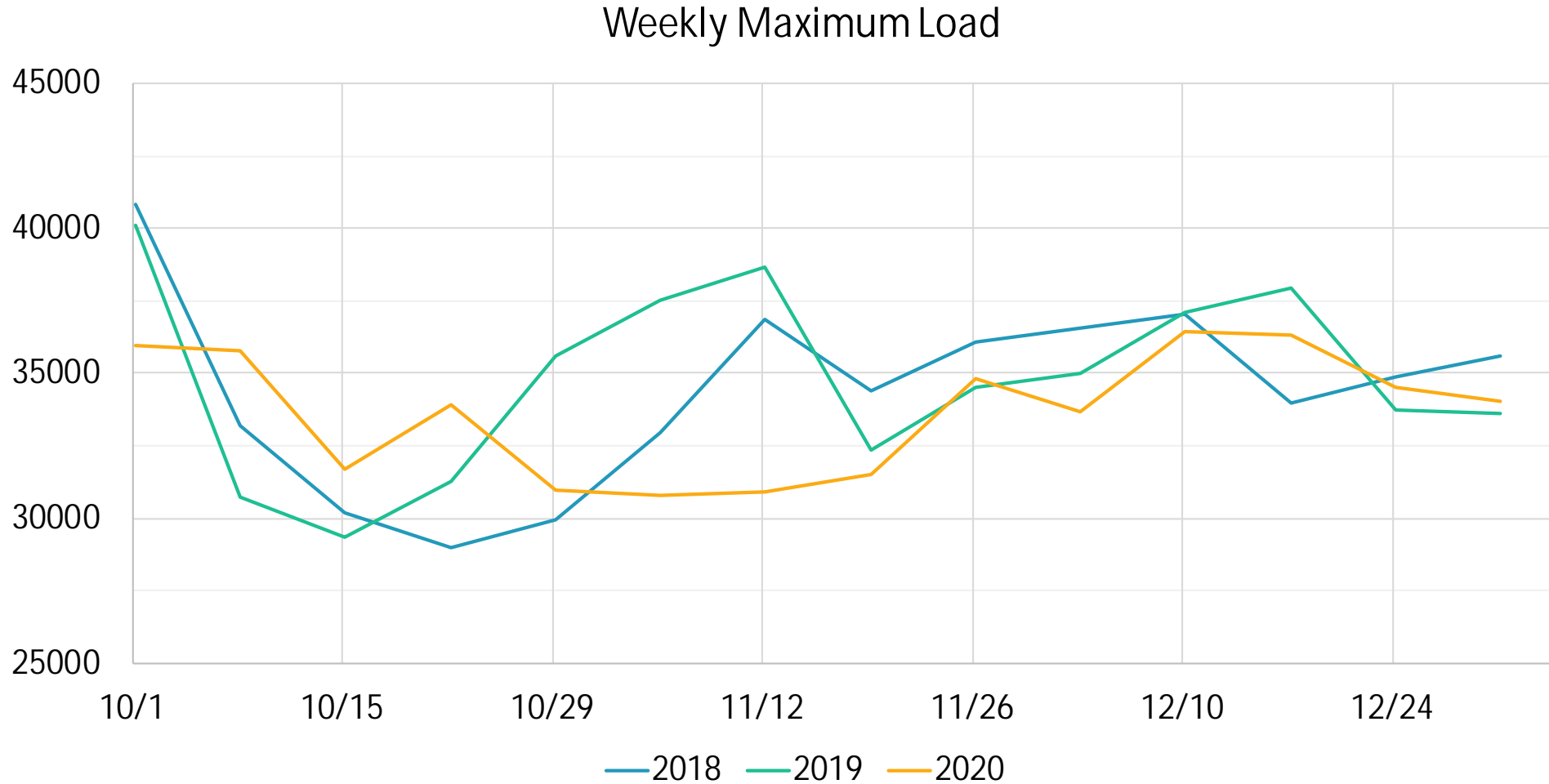
- Marketplace Operational Highlights
- Historical Load and Wind Trends
- Marketplace Highlights and Information
- Enhancements implemented and under development



Marketplace Operational Highlights

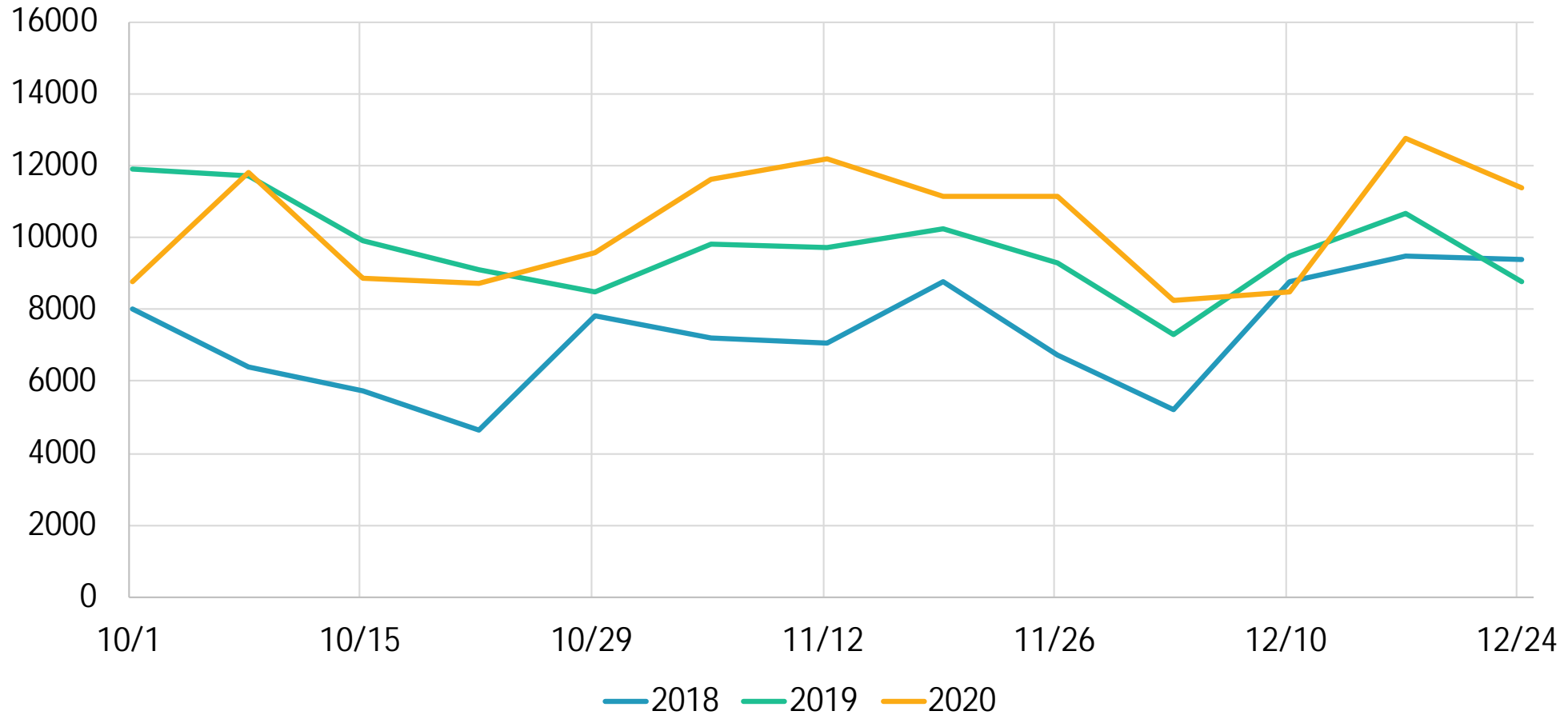
- One new wind peak during the quarter
 - Wind production peak of 19,692 MW on 12/23 at 17:25
- Load forecast error average for the quarter was 1.71%, compared to 1.61% in Q4 2019
- Wind forecast error average for the quarter was 4.17%, compared to 4.78% in Q4 2019
- Solar forecast error average for the quarter was 2.77%, compared to 3.62% in Q4 2019
- Currently 27.4 GW of wind registered in the market

SPP Weekly Maximum Load profile: October - December (comparing 2018, 2019, 2020 years at same date)

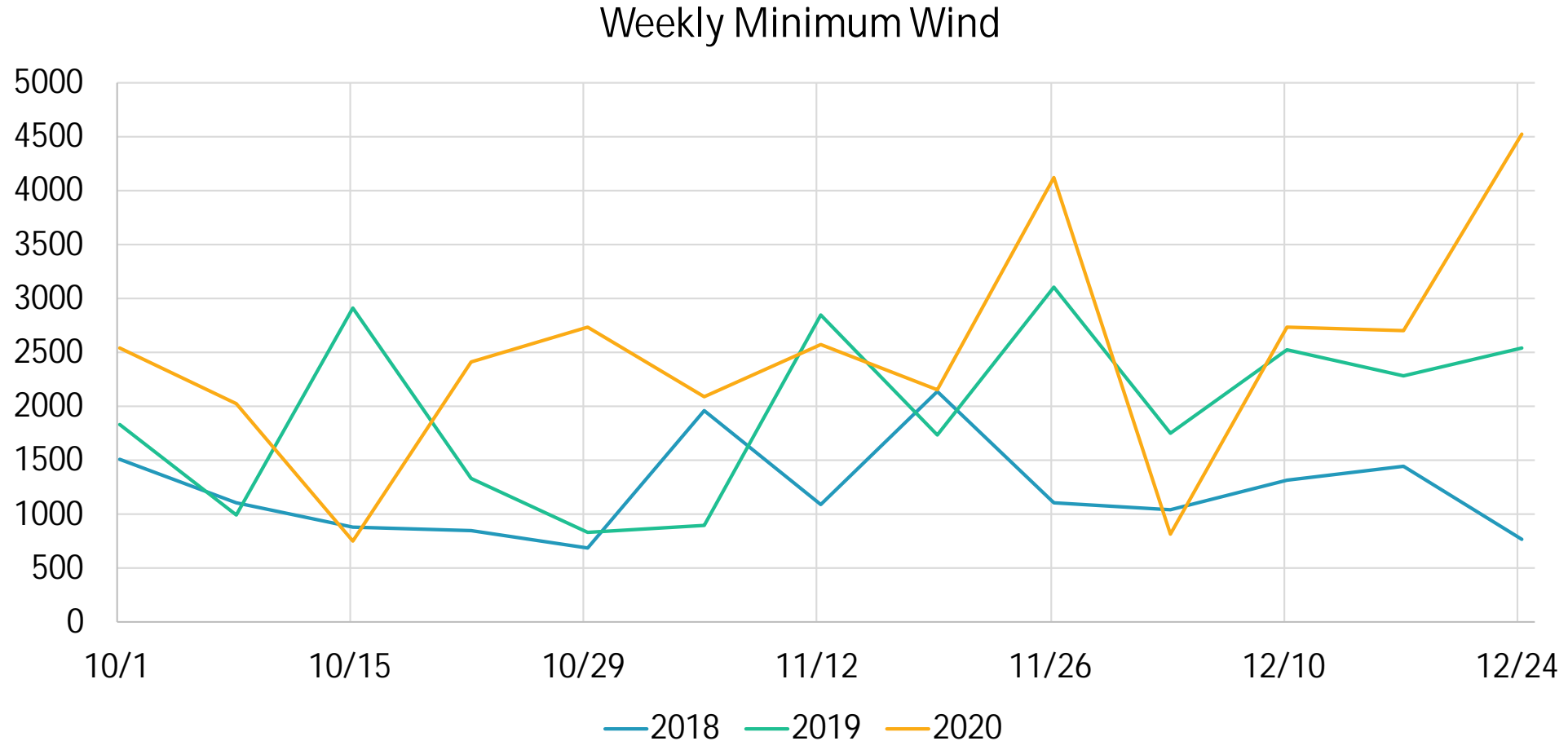


SPP Weekly Average Wind profile: October - December (comparing 2018, 2019, 2020 years at same date)

Weekly Average Wind



SPP Weekly Minimum Wind profile: October - December (comparing 2018, 2019, 2020 years at same date)



WIND OUTPUT: OCT – DEC 2020

	@ Max Wind Output	@ Min Wind Output
MW Wind	19,692.01 MW	750.96 MW
Time	12/23 @ 17:25:04	10/19 @ 16:23:04
SPP Load	32,857.66 MW	29,098.51 MW
Gen Mix Percent		
Coal	22.1%	46.8%
Wind	58.2%	2.6%
Nat. Gas	10.0%	43.3%
Nuclear	6.0%	4.1%
Hydro	3.6%	5.0%
Other	0.2%	0.0%

WIND PENETRATION: OCT – DEC 2020

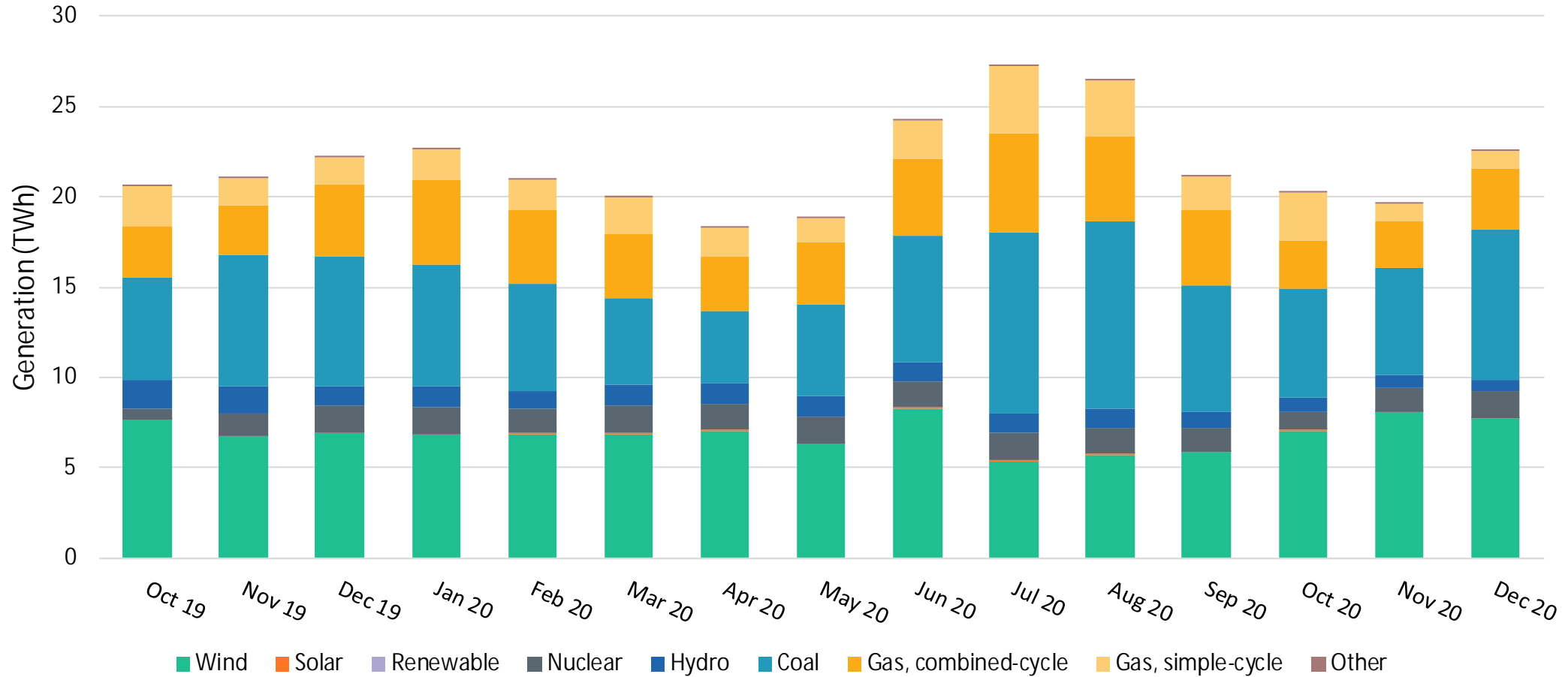
	Max Penetration	Min Penetration
Wind Penetration	73.0% of load	2.6% of load
Time	11/09 @ 03:07:36	10/19 @ 16:23:08
SPP Load	22,386.9 MW	29,080.3 MW
Wind Output	16,282.0 MW	753.6 MW
Gen Mix Percent		
Coal	14.4%	46.8%
Wind	67.1%	2.6%
Nat. Gas	7.9%	43.4%
Nuclear	8.3%	4.3%
Hydro	2.1%	5.01%
Other	0.2%	0.0%

MARKETPLACE OVER LAST 12 MONTHS

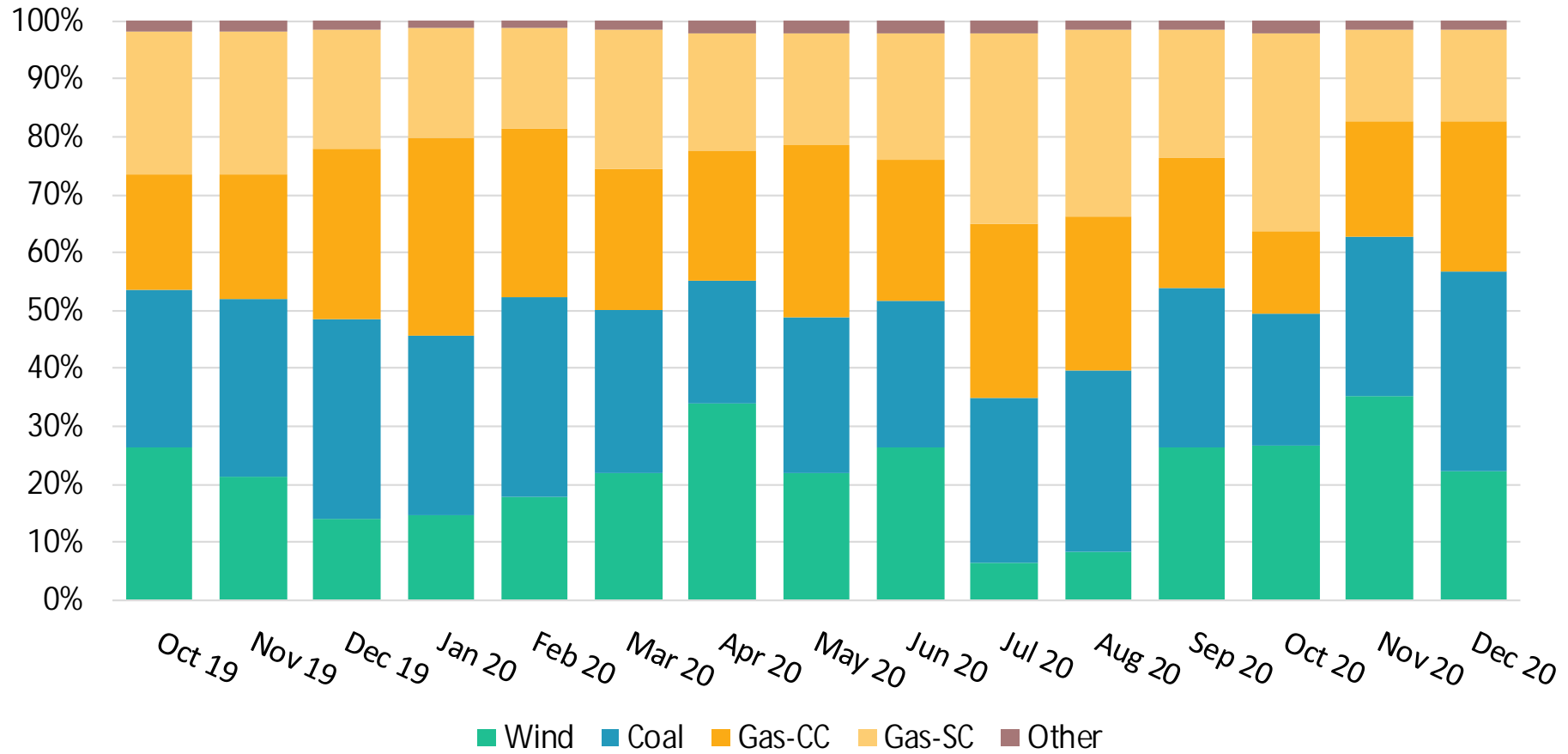
- 267 Market Participants
 - 169 financial only and 98 asset owning
- SPP BA has successfully maintained NERC control performance standards (BAAL & CPS)
- High System availability
 - Day-Ahead Market results have posted 99.45% on time in past 12 months
 - Real-Time Balancing Market has successfully solved 99.9% of all intervals

DISPATCH BY FUEL TYPE

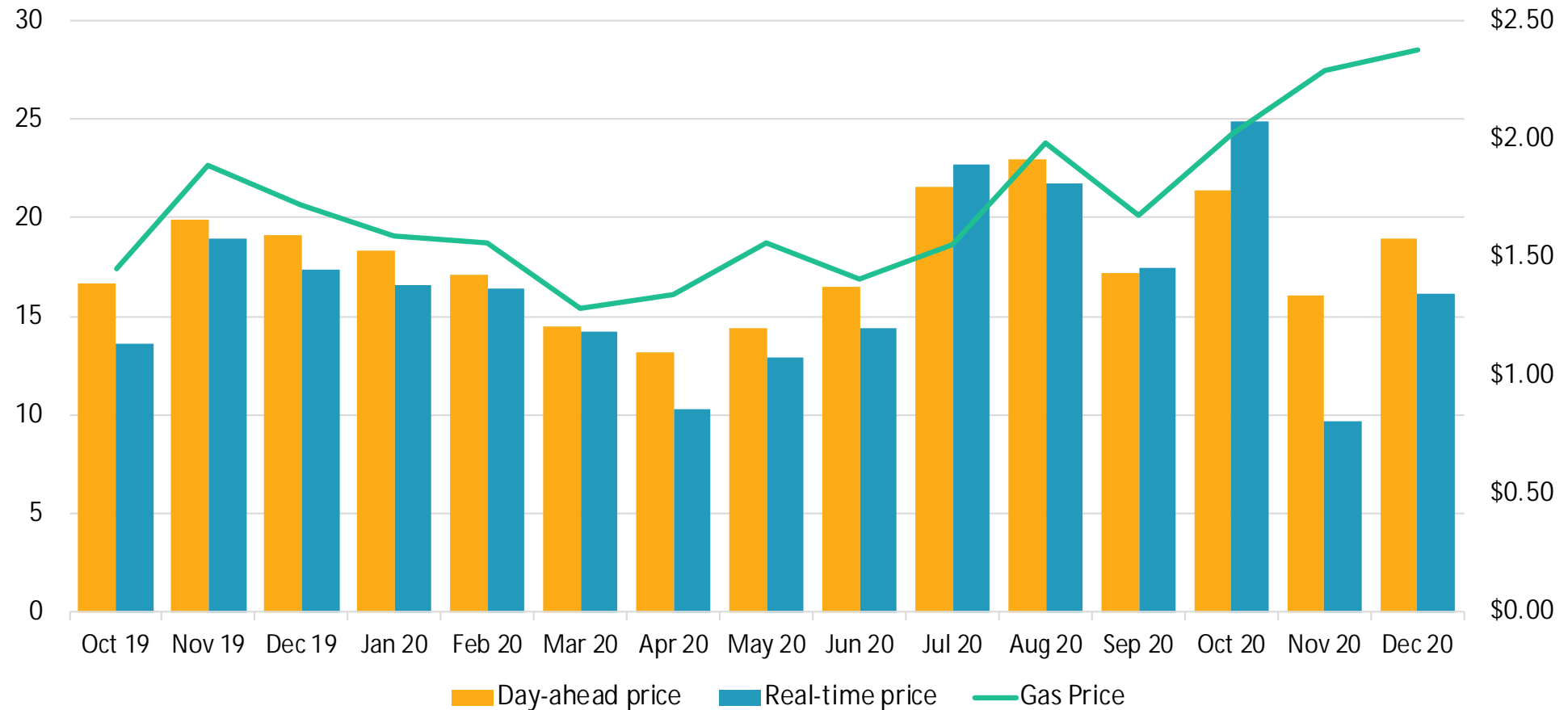
Real Time



FUEL ON THE MARGIN IN REAL-TIME

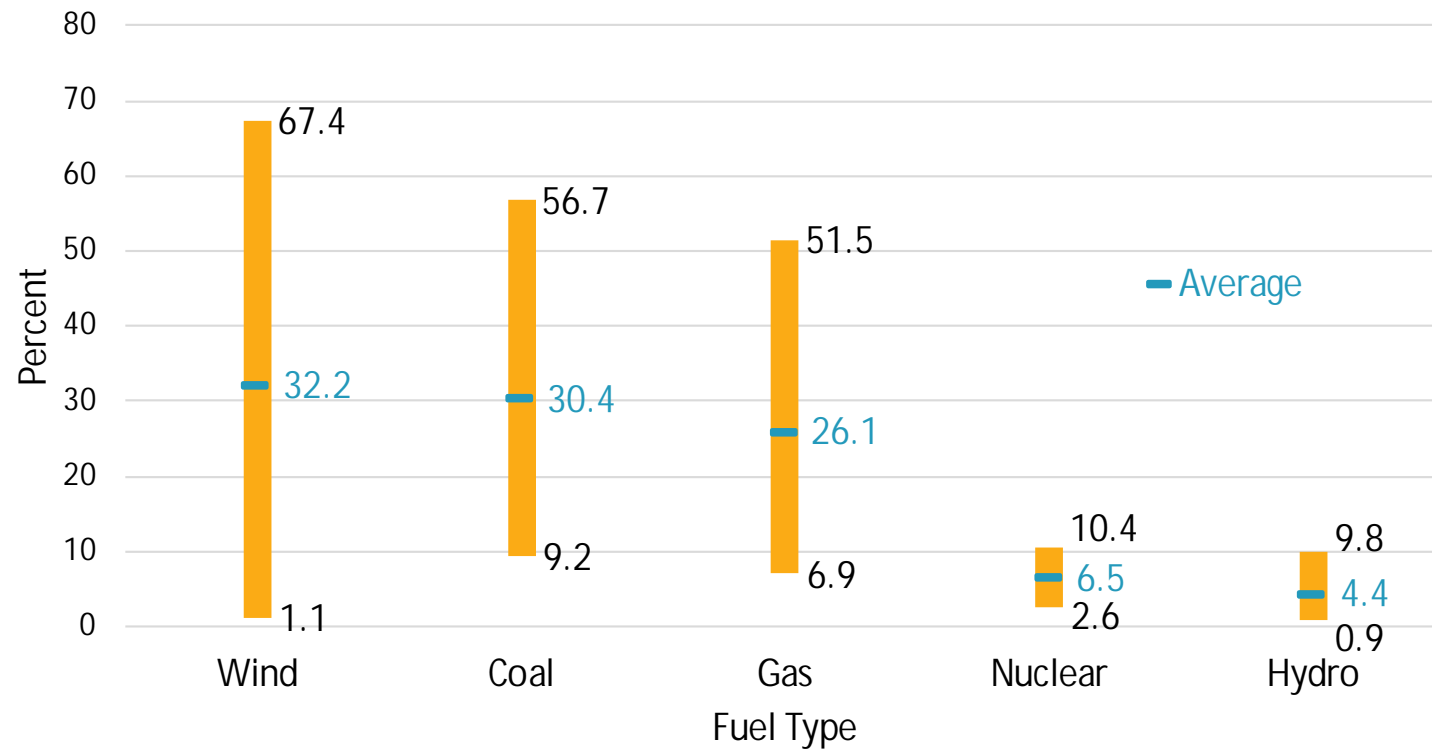


REAL-TIME VERSUS DAY-AHEAD PRICING



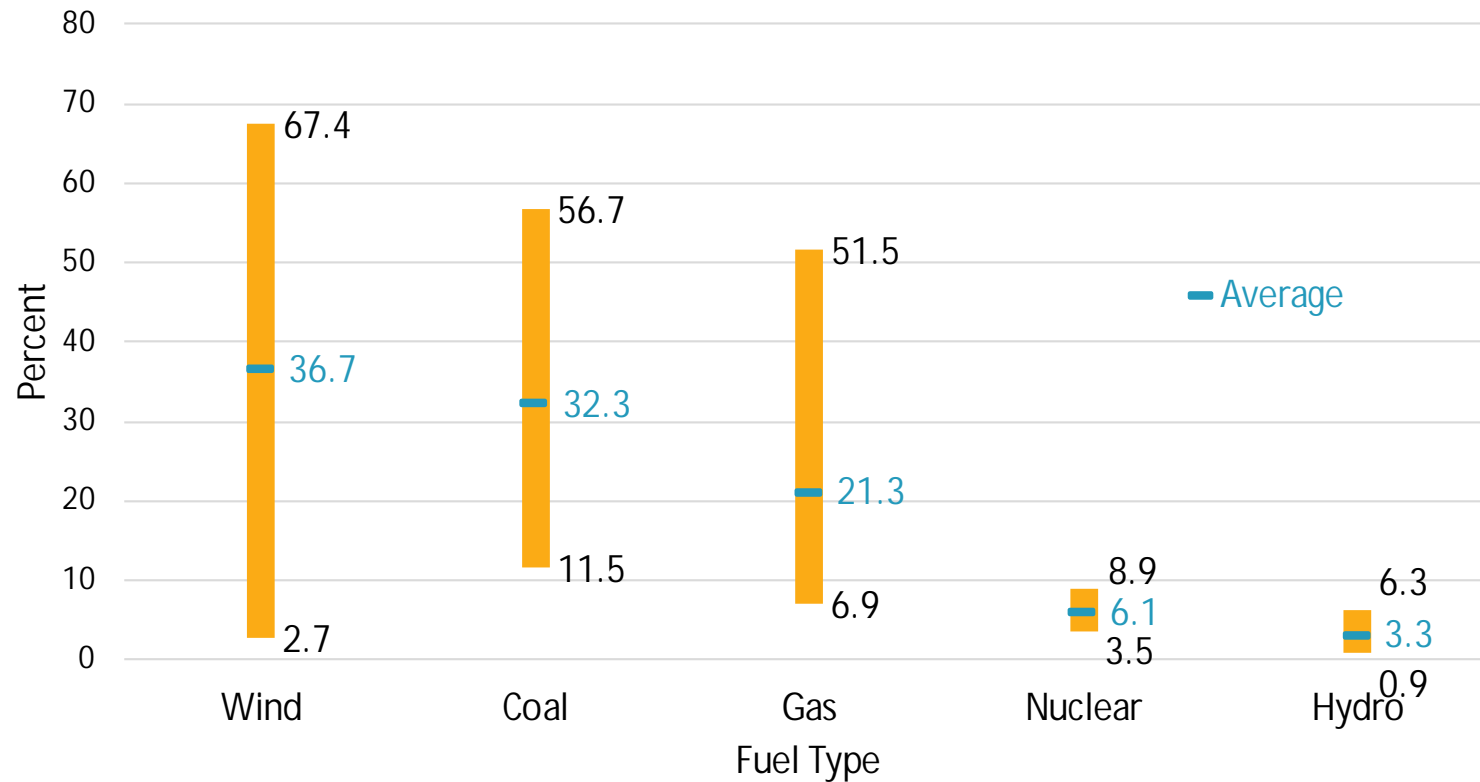
* These prices are average SPP trading hub LMPs

Min and Max Percent of Generation Mix Per Fuel Type - Last 12 Months



*RTBM 5-minute average

Min and Max Percent of Generation Mix Per Fuel Type – Q4 2020



*RTBM 5-minute average

INTEGRATED MARKETPLACE ENHANCEMENTS TIMELINE

- In-Process and Upcoming work
 - RR323: Order 841 – Compliance ESR;
 - § August 5, 2021 effective date
 - RR361: Ramp capability products;
 - § October 2021 planned implementation
 - RR288: DVER Dispatch Instruction Rules clean-up
 - § Implemented with Ramp project, October 2021
 - RR375/402/420: Fast start
 - § May 2022 planned implementation



OUR MISSION:
HELPING OUR MEMBERS WORK TOGETHER TO KEEP
THE LIGHTS ON ... TODAY AND IN THE FUTURE.



WEST ACTIVITIES UPDATE

BRUCE REW, PE

SENIOR VICE PRESIDENT, OPERATIONS

Helping our members work together to keep the lights on... today and in the future.



SouthwestPowerPool



SPPorg



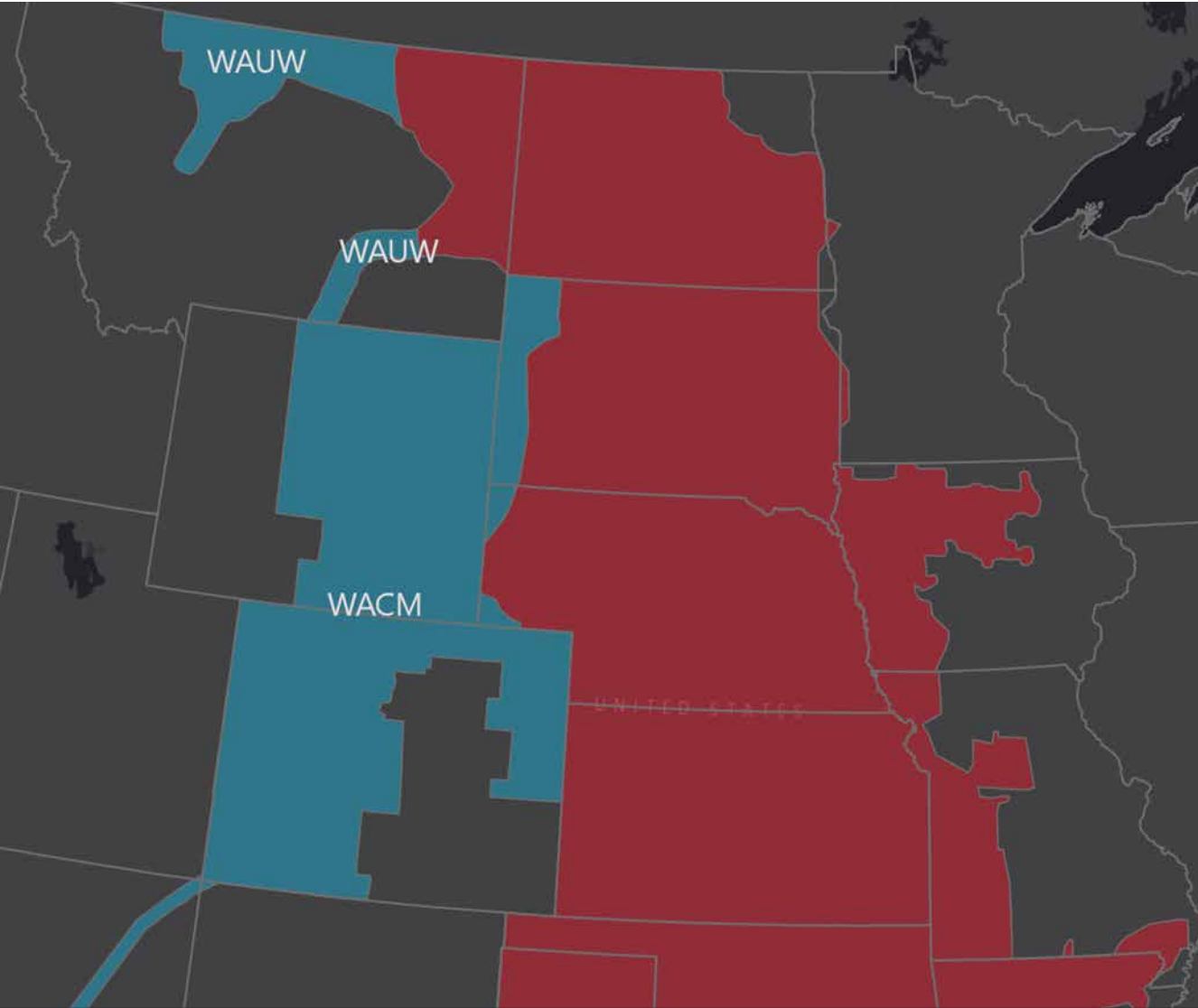
southwest-power-pool



WESTERN ENERGY IMBALANCE SERVICE

Helping our members work together to keep the lights on... today and in the future.





Post-launch, onboard additional participants per onboarding timelines

EIGHT PARTICIPANTS

- Basin Electric
- Tri-State G&T
- WAPA Colorado River Storage Project (CRSP)
- WAPA Rocky Mountain Region (RMR)
- WAPA Upper Great Plains Region (UGP)
- Municipal Energy Agency of Nebraska (MEAN)
- Wyoming Municipal Power Agency (WMPA)
- Deseret Power Cooperative

WEIS TARIFF FILING (ER21-3 AND ER21-4)

- SPP Filed WEIS Tariff response on May 22, 2020 (ER20-1059-001 and ER20-1060-001)
- FERC rejected initial Tariff Filing on July 31, 2020
 - Identified Two rejection issues and three concerns
- Western Markets Executive Committee approved revisions. SPP Board approved revisions September 22
- WEIS filing made on October 1, 2020
- FERC Order approving WEIS received on December 23, 2020.

WEIS PROJECT UPDATE

- SPP completing final project implementation plans
- Initial system testing completed
- Western Market Executive Committee approved transition to parallel operations
 - Parallel Operations performed December 10 - January 15.
- Final go/no-go decision made by WMEC on January 22
- Scheduled for February 1, 2021 go-live target



WEST RTO EXPANSION

Helping our members work together to keep the lights on... today and in the future.



SPP WEST PROSPECTIVE MEMBERS

- Basin Electric
Cooperative
- Tri-State G&T
- Deseret
- MEAN
- WAPA - Upper
Great Plains
- WAPA - Rocky
Mountain Region

1. Initial Discussion

- Occurs after First Triggering Event
- Establish Members Forum
- Establish State Commission Forum



2. Due Diligence and Membership Agreement Discussion

- SPC, State Commission Forum, Members Forum provide input and receive regular updates on progress
- SPP Staff Responsible for due diligence and negotiation
- SPP Staff updates to working groups and committees
- SPP Staff report on cost benefit analysis



3. SPP OATT and Governing Document Changes

- SPP Staff updates to SPC, others as needed
- All Member meeting to discuss OATT and Governing Document changes, RSC may attend and/or request a special RSC meeting
- If documents amended, respective groups are convened for approval



4. FERC Approvals

5. Integration

MEMBERS FORUM

- Members Forum is open to all SPP Members
 - Requires Confidentiality Agreement
- Steering Committee of the Members Forum
 - Twelve participants from Members Forum with diverse backgrounds
- Steering Committee Leadership Team
 - Two Representatives selected by the Steering Committee to participate alongside SPP Staff during negotiations



SUMMARY OF ACTIVITIES

- New Members process initiated
 - Members Forum (open to any SPP Member with signed NDA)
 - State Commission Forum
- Monthly Members Forum meetings to be open if possible
- Due diligence review of SPP governing documents tracking
- Effort will produce a package of proposed changes desired for prospective expansion of SPP RTO
- Expansion commitments would occur after Board approval



OUR MISSION:
HELPING OUR MEMBERS WORK TOGETHER TO KEEP
THE LIGHTS ON ... TODAY AND IN THE FUTURE.



ITP

ITP QUARTERLY UPDATE

ANTOINE LUCAS

JANUARY 2021

*Helping our members work together to keep
the lights on... today and in the future.*



SouthwestPowerPool



SPPorg



southwest-power-pool

2021 ITP

COMPLETED MILESTONES

Milestone	Status	Previous Start Date	Previous End Date	Actual Start Date	Actual End Date
Schedule was re-baselined due to 2020 ITP mitigation efforts					
Siting Plan & Generator Outlet Facilities (GOFs)	★	3/15/2020	8/04/2020	4/20/2020	11/02/2020
Market Economic Model Benchmarking	★	4/01/2020	8/01/2020	9/14/2020	12/3/2020

CURRENT AND UPCOMING MILESTONES



2021 ITP

Milestone	Status	Previous Start Date	Previous End Date	Current Start Date	Current End Date
Schedule is being re-evaluated as part of mitigation efforts					
Market Economic Model (MEM) Build		12/01/2019	12/18/2020	12/01/2019	3/22/2021
Constraint Assessment		9/21/2020	12/18/2020	1/11/2021	3/22/2021
Market Powerflow Model (MPM) Build		10/18/2020	1/14/2021	12/3/2020	4/1/2021
Needs Assessment (All)		11/16/2020	3/18/2021	12/3/2020	5/5/2021

HOW WE GOT HERE

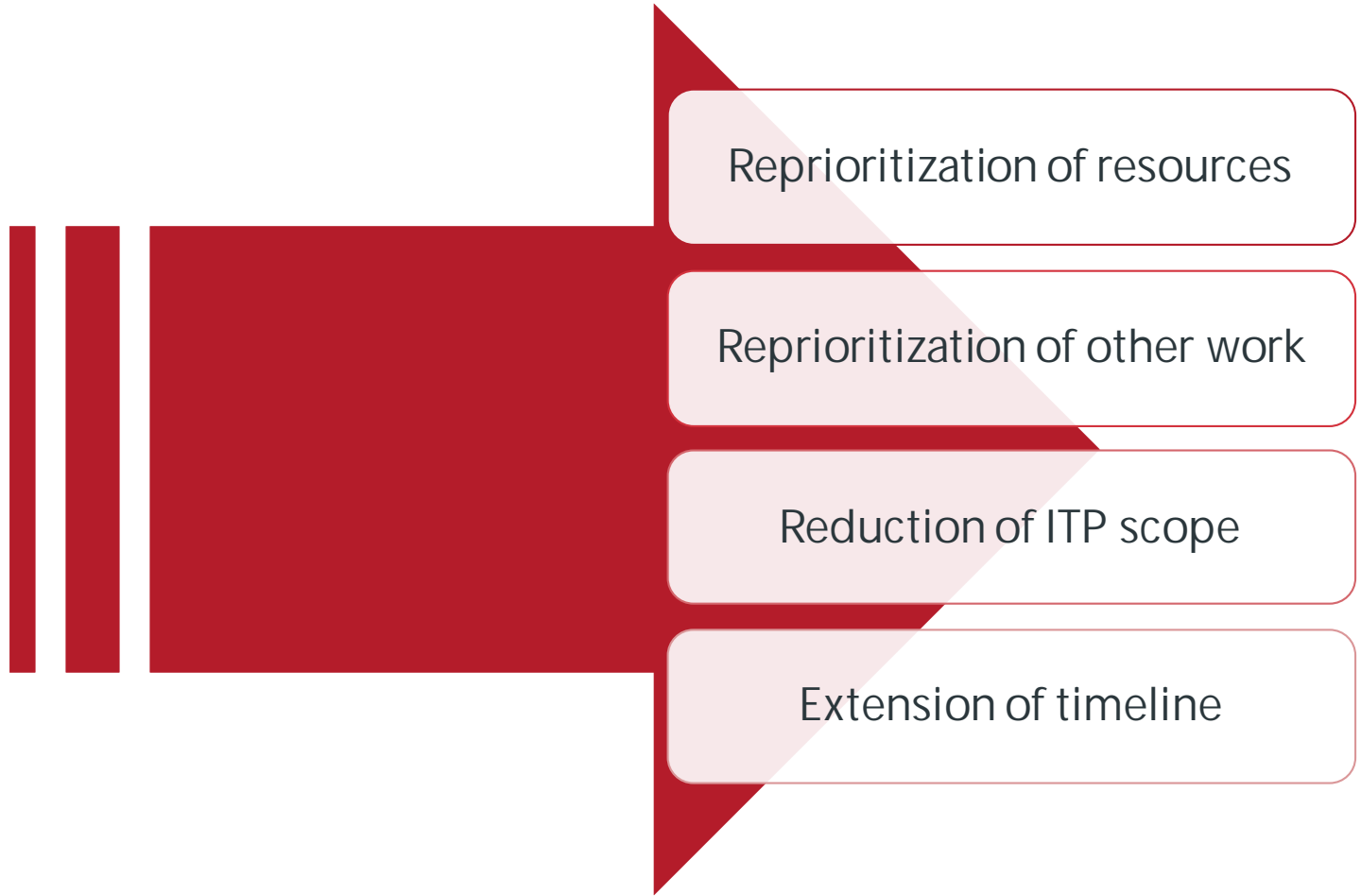


2021 ITP

- Overlapping ITP processes
 - Waterfall effect when upstream studies have delays or mitigation efforts
- Staff retention and development
 - Lost several key staff
 - Gained new staff that require increased focus on training

MITIGATION PLAN IN DEVELOPMENT

Mitigation options under consideration to maintain decision quality



∅ Project end date currently considered high risk

2022 ITP

CURRENT AND UPCOMING MILESTONES



2022 ITP

Milestone	Status	Start Date	End Date
Scope Development		7/06/2020	1/13/2021
Powerflow Model Development		7/06/2020	3/12/2021
Load and Generation Review		7/06/2020	3/22/2021
Short-Circuit Model Development		7/06/2020	3/19/2021
Renewable Policy Review		2/01/2021	3/12/2021
Resource Plan - Phase 1		2/08/2021	3/26/2021
Resource Plan – Phase 2		2/15/2021	5/28/2021
Siting Plan & Generator Outlet Facilities (GOFs)		3/01/2021	7/08/2021

20 YEAR ASSESSMENT

Project is on track with low risk

- Scope
 - Approved by MOPC in January 1/12/2021
- **20 Year Assessment Scope Document Objective**
 - Develop a long-range EHV transmission road map for the SPP region
 - Evaluate future industry uncertainty with potential economic solutions
 - Establish library of candidate projects that reflect SPP's longer-term vision to inform shorter-term planning assessments

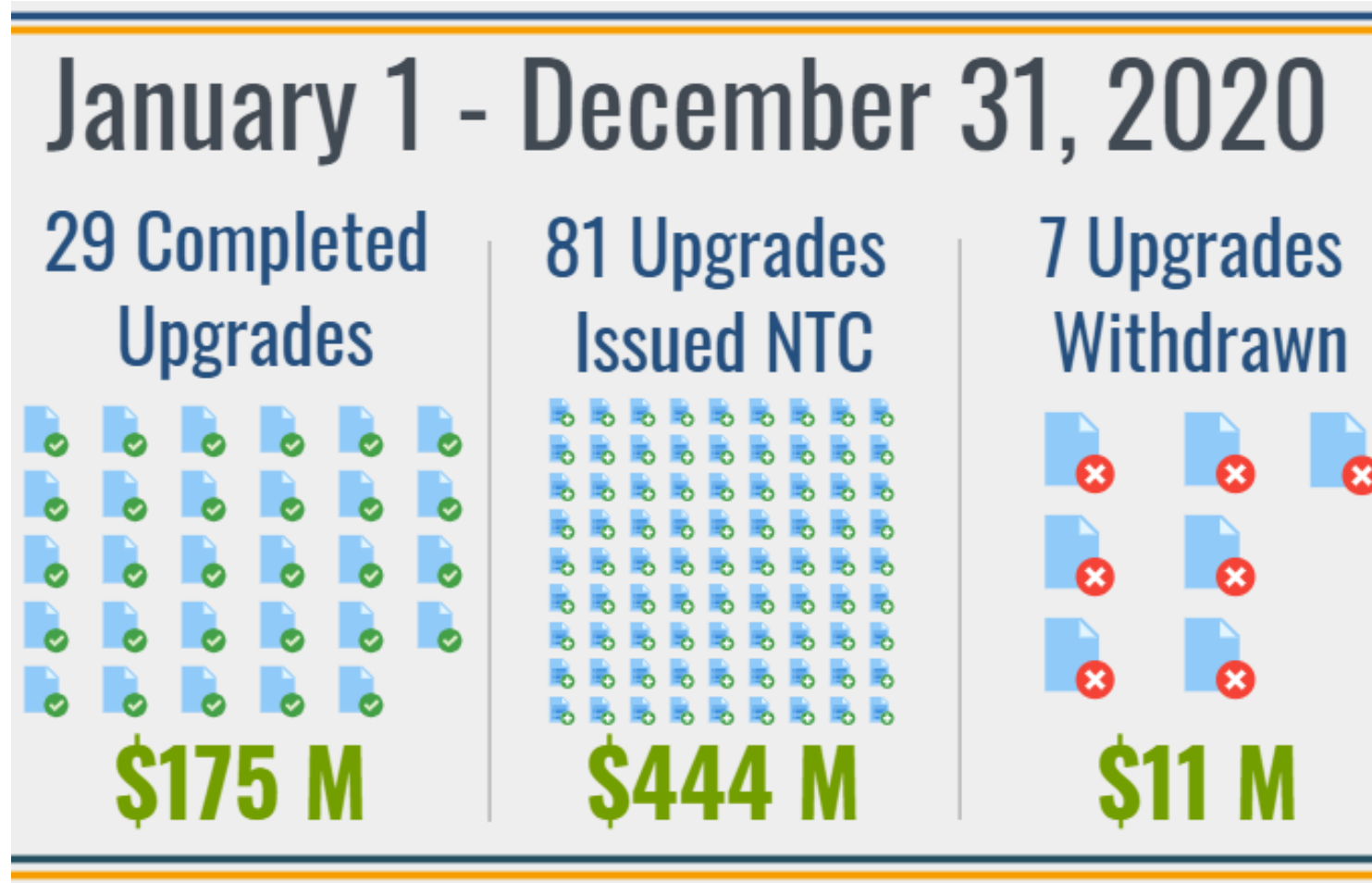
2021 SPP TRANSMISSION EXPANSION PLAN (STEP) REPORT

ANTOINE LUCAS

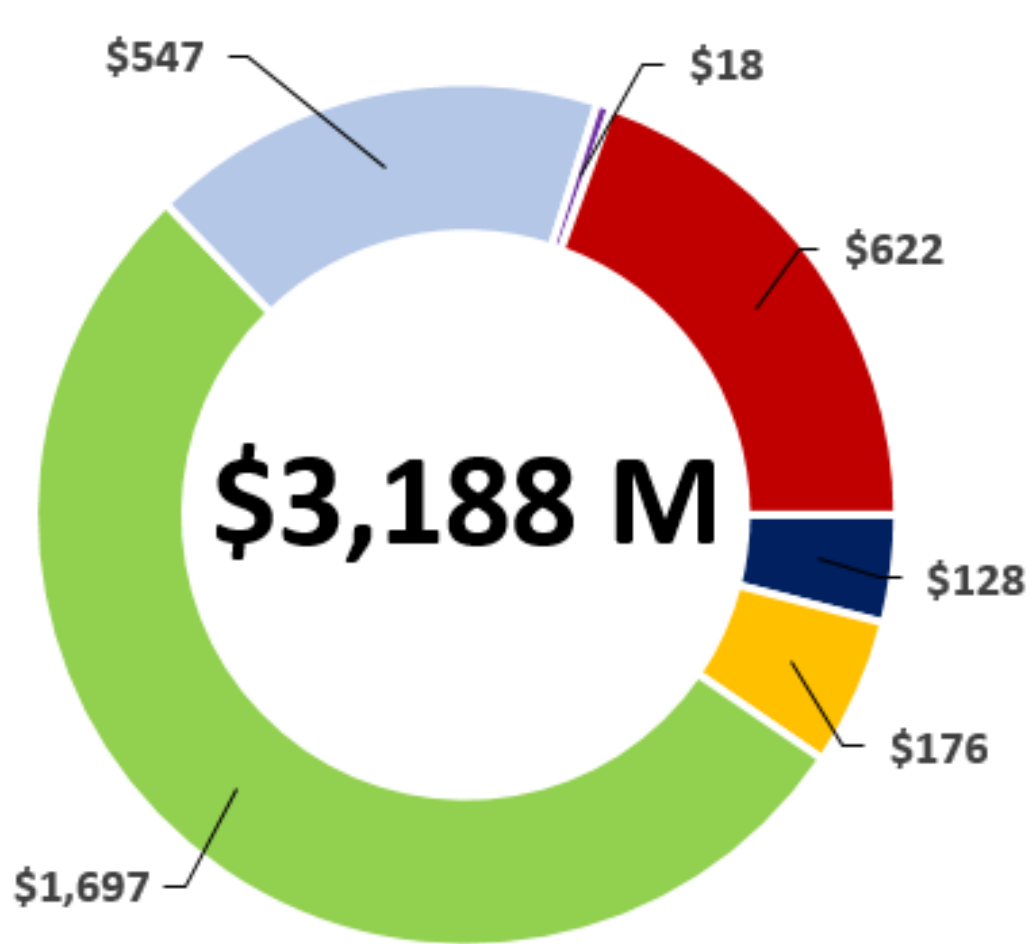
1/25/2021

2021 STEP REPORT

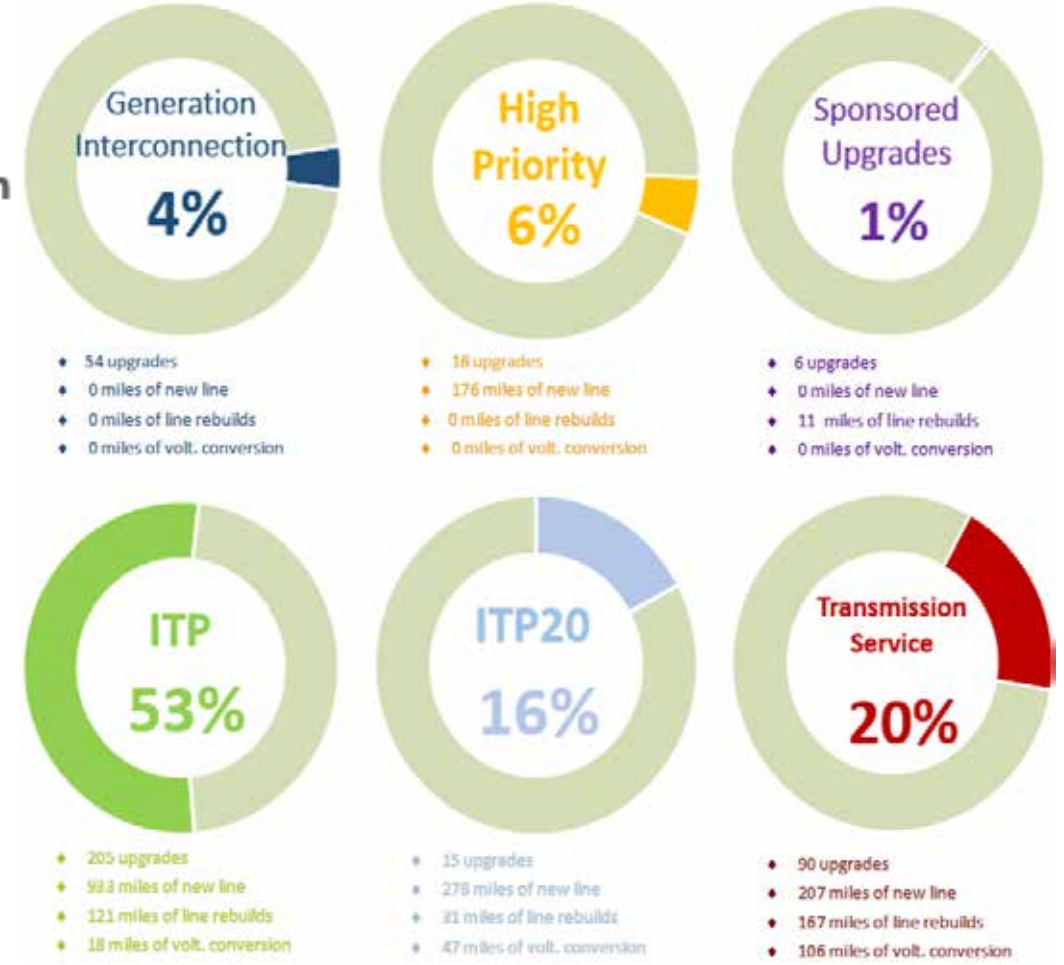
- NTCs issued & withdrawn
- Completed upgrades & upgrades by status
- Upgrades by Process
- Investment by in-service year



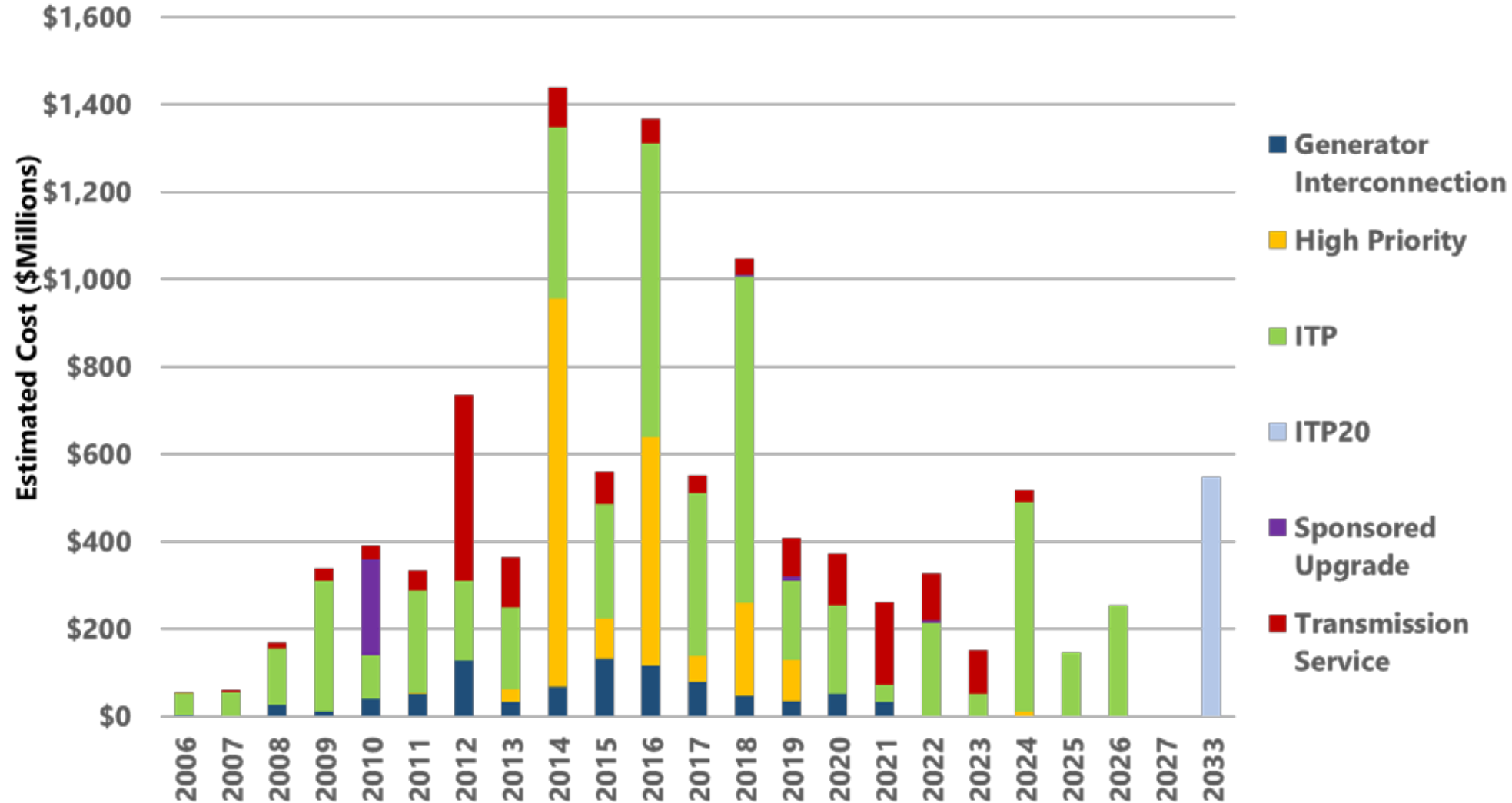
UPGRADES BY PROCESS



- Generator Interconnection
- High Priority
- ITP
- ITP20
- Sponsored Upgrade
- Transmission Service



INVESTMENT BY IN-SERVICE YEAR





HITT PROGRAM UPDATE

PAUL SUSKIE

BOD

JANUARY 26, 2021

*Helping our members work together to keep
the lights on... today and in the future.*



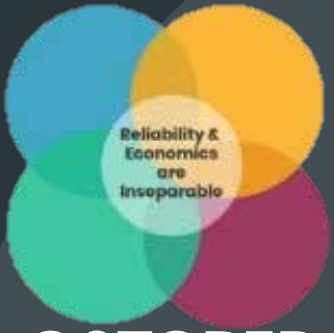
SouthwestPowerPool



SPPorg



southwest-power-pool



BOD HITT PROGRAM UPDATE

OCTOBER ACTIONS

M2: Study Offer Requirements for Variable Resources

M3: Study automatic mitigation of unduly low offers

M4a: Study Economic Evaluations Of Reliability: Dynamic Line Rating Whitepaper

UPDATE ITEMS

M1: Implement Congestion Hedging Improvements

C2: Establish Byway Facility Cost Allocation Review Process

HITT RECOMMENDATION EXTENSIONS

R2: Implement ERS/ORS Compensation Model

R4: Implement Uncertainty Market Product

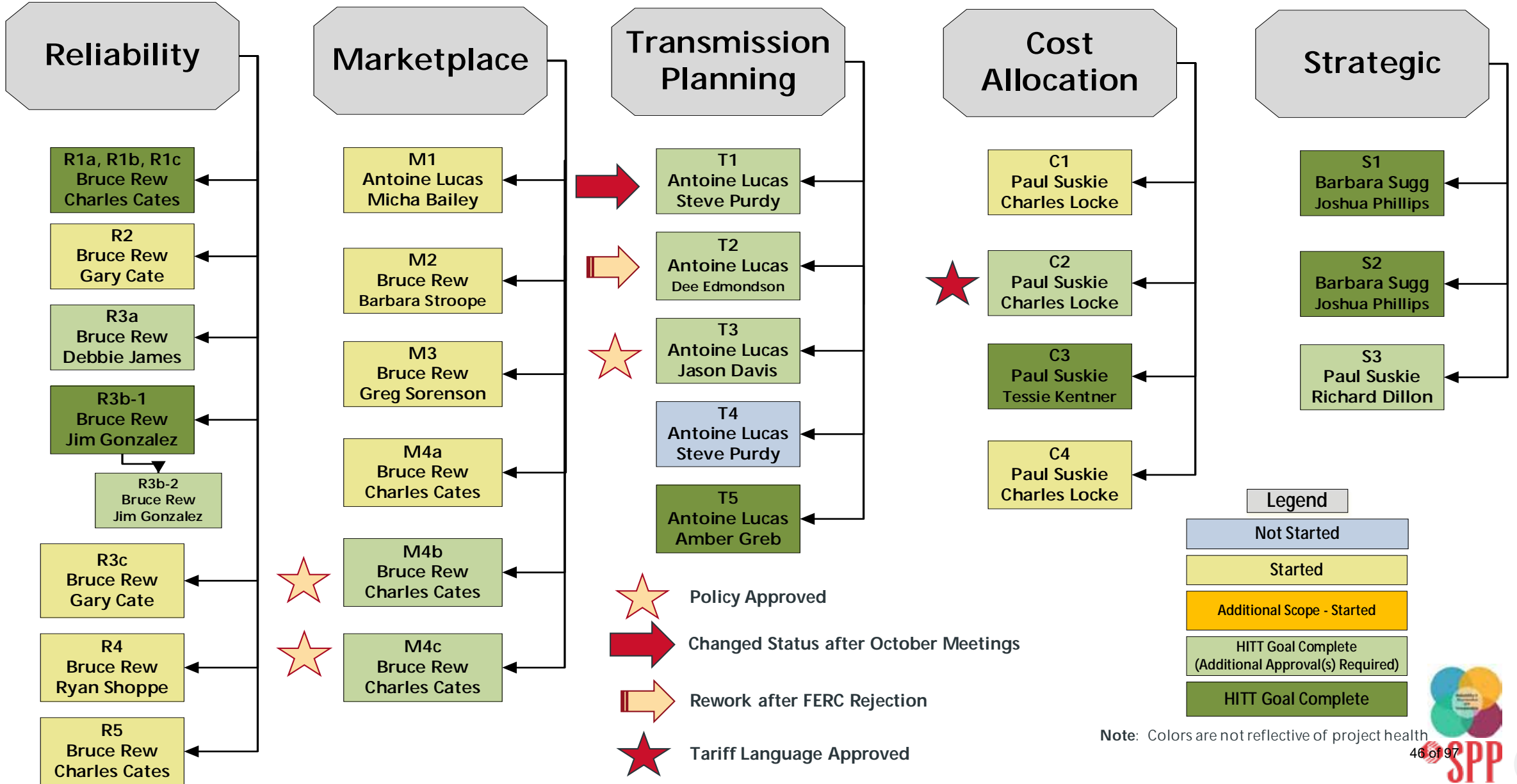
T2: Establish Uniform Schedule 9 Local Planning Criteria

T4: Study Three-phase GI Process Effectiveness

HITT HIGH-LEVEL UPDATE



HITT PROGRAM UPDATE








Note: Colors are not reflective of project health










HITT APPROVAL ITEMS

Holistic Integrated Tariff Team Recommendations

Reliability

-  Essential & other reliability services (ERS/ORS)
-  ERS/ORS compensation model
-  Marketplace enhancements
-  Uncertainty market product
-  Additional operational tools

Marketplace










-  Congestion hedging improvements
-  Offer requirements for variable resources 
-  Mitigation of unduly low offers that create uneconomic dispatch 
-  Economic evaluations of reliability 

 Study/Evaluate




 Implement



Planning & Cost Allocation

-  NRIS/ERIS modifications
-  Uniform Sch. 9 local planning criteria
-  New load addition modifications
-  Three-phase GI process effectiveness
-  B/C ratio for economic projects
-  Decouple Sch. 9 & 11 pricing zones
-  Byway cost allocation review process
-  Eliminate Z2 revenue crediting
-  Cost allocation for transmission storage

Strategic

-  Add tech advances to strategic plan
-  Keep seams a priority in strategic plan
-  Create storage white paper



HITT M2 UPDATE

STUDY OFFER REQUIREMENTS FOR VARIABLE RESOURCES

Helping our members work together to keep the lights on... today and in the future.





HITT M2 – STUDY OFFER REQUIREMENTS FOR VARIABLE RESOURCES

HITT Recommendation

- Evaluate whether variable energy resources should have requirement to offer at specific level in day-ahead market
- Review incentives
- Consider market rule changes to improve day-ahead participation for wind resources



HITT M2 – STUDY OFFER REQUIREMENTS FOR VARIABLE RESOURCES

Original HITT Timeline

2019		2020												2021		
Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.		
MMU educate MWG				MWG develop policy recommendation report												MWG report to MOPC

Stakeholder completion goal

Lead group

Secondary group

HITT vote

Jan. 2021

MWG

N/A

Consensus



HITT M2 – STUDY OFFER REQUIREMENTS FOR VARIABLE RESOURCES

Milestones/Accomplishments for M2 Whitepaper

- **July 2020:** Presented study results to MWG
- **October 2020:** Gave education session to MOPC
- **November 2020:** Discussed with MWG
- **December 2020:** Finalized and published whitepaper*
- **January 2021:** Motion passed unanimously on MOPC Consent Agenda
- **January 2021:** Approved by SPC
- **January 2021:** BOD/MC Consent Agenda



HITT M3 UPDATE

STUDY AUTOMATIC MITIGATION OF UNDULY LOW OFFERS

*Helping our members work together to keep
the lights on... today and in the future.*





HITT M3 – STUDY AUTOMATIC MITIGATION OF UNDULY LOW OFFERS

HITT Recommendation

- Evaluate whether generation (including renewables) offer requirements provide adequate safeguards against uneconomic production

Marketplace



HITT M3 – STUDY AUTOMATIC MITIGATION OF UNDULY LOW OFFERS

Original HITT Timeline

2019		2020												2021			
Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.			
MMU educate MWG					MWG develop policy recommendation report												MWG report to MOPC

Stakeholder completion goal
 Lead group
 Secondary group
 HITT vote

Jan. 2021
 MWG
 N/A
 Consensus



HITT M3 – STUDY AUTOMATIC MITIGATION OF UNDULY LOW OFFERS

Milestones/Accomplishments for M3 Whitepaper

- MMU developed a white paper discussing the issues in detail
 - **November 2020:** Unanimously approved by MWG*
 - **January 2021:** MOPC Motion passed with 99% Approval; 1 No from TU
 - **January 2021:** SPC Approved
 - **January 2021:** Board/MC Consent Agenda



HITT M4A UPDATE

STUDY ECONOMIC EVALUATIONS OF RELIABILITY (DLR)





HITT M4 STUDY ECONOMIC EVALUATIONS OF RELIABILITY

HITT Recommendation

- Evaluate cost and benefits of more advanced economic evaluations of reliability
- Evaluation should educate and encourage use of dynamic line ratings, topology optimization and economic outage coordination when practical, economic and reliable



Marketplace



HITT M4 STUDY ECONOMIC EVALUATIONS OF RELIABILITY

Original HITT Timeline

	2019					2020			
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Markets	MWG education			MWG/ORWG develop policy white paper				MWG/ORWG report to MOPC	
Reliability	ORWG education			ORWG/MWG develop policy white paper				MWG/ORWG report to MOPC	

Stakeholder completion goal

Lead group

Secondary group

HITT vote

April 2020

MWG, ORWG

TWG, RCWG

Consensus





HITT M4 STUDY ECONOMIC EVALUATIONS OF RELIABILITY

Milestones/Accomplishments M4 Dynamic Line Rating Whitepaper

- **M4b & M4c (Topology Opt. & Econ. Outage Coordination)**
 - **October 2020:** Approved by the SPP, MOPC, & BOD
- **M4a – Dynamic Line Ratings**
 - **January 11, 2021:** Motion passed unanimously on MOPC Consent Agenda
 - **January 13, 2021:** SPC approval
 - **January 26, 2021:** BOD/MC Consent Agenda








HITT UPDATE ITEMS








Holistic Integrated Tariff Team Recommendations

Reliability

-  Essential & other reliability services (ERS/ORS)
-  ERS/ORS compensation model
-  Marketplace enhancements
-  Uncertainty market product
-  Additional operational tools

Marketplace











-  Congestion hedging improvements 
-  Offer requirements for variable resources
-  Mitigation of unduly low offers that create uneconomic dispatch
-  Economic evaluations of reliability

 Study/Evaluate




 Implement



Planning & Cost Allocation

-  NRIS/ERIS modifications
-  Uniform Sch. 9 local planning criteria
-  New load addition modifications
-  Three-phase GI process effectiveness
-  B/C ratio for economic projects
-  Decouple Sch. 9 & 11 pricing zones
-  Byway cost allocation review process 
-  Eliminate Z2 revenue crediting
-  Cost allocation for transmission storage

Strategic

-  Add tech advances to strategic plan
-  Keep seams a priority in strategic plan
-  Create storage white paper



HITT M1 UPDATE

IMPLEMENT CONGESTION HEDGING IMPROVEMENTS

*Helping our members work together to keep
the lights on... today and in the future.*



SouthwestPowerPool



SPPorg



southwest-power-pool



HITT Recommendation

- Continue with market mechanism to hedge load against congestion charges
- Existing design should include modifications to implement counter-flow optimization limited to excess auction revenues



Marketplace



GO

HITT M1 IMPLEMENT CONGESTION HEDGING IMPROVEMENTS

Original HITT Timeline

2019					2020								
Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Staff straw proposal			MWG develop policy white paper					MOPC/ RSC endorse	Draft tariff language		MOPC/ RSC endorse	FERC filing	

Stakeholder completion goal

Lead group

Secondary group

HITT vote

April 2020

MWG

RSC, CAWG

14 to 0 with 1 abstention





Current Status

- **M1 Strike Team - Graham Edwards, Rob Janssen, Dennis Grennan, Bruce Rew, Keith Collins, and Micha Bailey**
 - December 16: SPP Staff will present recommendation to M1 Strike Team
- **Reviewing Request for Proposal from 7 consultants**
 - Consultant begins work January 2021





HITT C2 UPDATE

ESTABLISH BYWAY FACILITY COST ALLOCATION
REVIEW PROC



Planning & Cost Allocation

HITT C2 ESTABLISH BYWAY FACILITY COST ALLOCATION REVIEW PROCESS

HITT Recommendation

- Evaluate creating narrow process through which costs for specific projects between 100-300 kV can be fully allocated on region-wide basis
- Consider regional benefits resulting from the facilities
 - Including energy exports from transmission pricing zone where project is located



Planning & Cost Allocation



HITT C2 ESTABLISH BYWAY FACILITY COST ALLOCATION REVIEW PROCESS

Original HITT Timeline

2019					2020						
Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
Staff to provide data for CAWG to develop policy recommendation report									CAWG ESWG RTWG review report	CAWG ESWG approve report	CAWG report to RSC

Stakeholder completion goal
 Lead group
 Secondary group
 HITT vote

July 2020
 RSC, CAWG
 ESGW, RTWG
 11 to 4



Planning & Cost Allocation



HITT C2 ESTABLISH BYWAY FACILITY COST ALLOCATION REVIEW PROCESS

Accomplishments

July 2020

White paper approved by the RSC and the BOD; RR422 was created to implement Attachment J tariff language consistent with the HITT C2 white paper

July - September 2020

Tariff language presented at the RTWG meetings

October 1, 2020

RTWG vote: Passed - 2 Opposed (OG&E/CUS); 2 Abstained (AEP/Exel)

October 6, 2020

CAWG vote: Passed - 7 for (MO, AR, IA, SD, KS, NE and ND); 0 opposed and 4 abstained (NM, LA, OK, TX)

October 13, 2020

MOPC vote: Passed – 74%

October 14, 2020

SPC vote: Passed – 2 No votes (AEP & SPS), Abstained (AECC)

October 26, 2020

RSC vote: Passed – 7 for; 1 opposed (NM); and 3 abstentions (LA, OK, and TX)

October 27, 2020

MC vote: Passed; 5 opposed (City Utilities, SPS/Xcel Energy, Oklahoma Gas & Electric Transmission; Public Service of Oklahoma, Liberty Utilities); 1 abstention (Oklahoma Municipal Power Authority)

BOD Vote: Passed

January 2021






Anticipated FERC filing







HITT RECOMMENDATION EXTENSION

Holistic Integrated Tariff Team Recommendations

Reliability

-  Essential & other reliability services (ERS/ORS)
-  ERS/ORS compensation model
-  Marketplace enhancements
-  Uncertainty market product
-  Additional operational tools












Marketplace

-  Congestion hedging improvements
-  Offer requirements for variable resources
-  Mitigation of unduly low offers that create uneconomic dispatch
-  Economic evaluations of reliability




 Study/Evaluate

 Implement

Planning & Cost Allocation

-  NRIS/ERIS modifications
-  Uniform Sch. 9 local planning criteria 
-  New load addition modifications
-  Three-phase GI process effectiveness 
-  B/C ratio for economic projects
-  Decouple Sch. 9 & 11 pricing zones
-  Byway cost allocation review process
-  Eliminate Z2 revenue crediting
-  Cost allocation for transmission storage

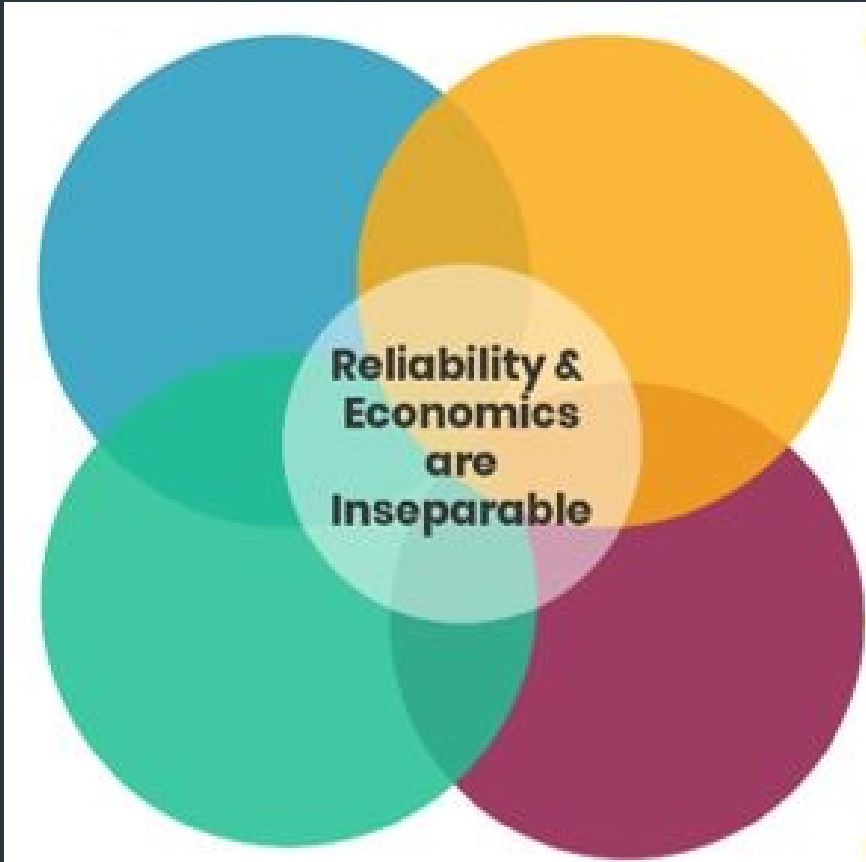
Strategic

-  Add tech advances to strategic plan
-  Keep seams a priority in strategic plan
-  Create storage white paper

HITT RECOMMENDATIONS WITH EXTENSIONS

HITT Recommendation	Disposition	Jan-20	Apr-20	Jul-20	Oct-20	Jan-21	Apr-21	Jul-21	Oct-21	Jan-22	Apr-22	Jul-22	Oct-22
HITT R1a: Study ERS and ORS: Voltage/Reactive Supply	Complete	COMPLETE											
HITT R1b: Study ERS and ORS: Frequency/Inertia Needs	Complete	COMPLETE											
HITT R1c: Study ERS and ORS: Balancing Requirements For SPP	Complete	COMPLETE											
HITT R2: Implement ERS/ORS Compensation Model	In Progress									New Goal			New Goal
HITT R3a: Implement Marketplace Enhance (Ramping Capability)	Complete	COMPLETE											
HITT R3b-1: Implement Marketplace Enhance (Fast Start)	Complete	COMPLETE											
HITT R3b-2: Implement Marketplace Enhance (Fast Start)	Complete	COMPLETE											
HITT R3c: Implement marketplace enhance (Multi-Day, LT Mkt)	In Progress									New Goal			
HITT R4: Implement Uncertainty Market Product	In Progress				Original Goal		New Goal						
HITT R5: Study additional operational tools	In Progress					Original Goal							
HITT M1: Implement congestion hedging improvements	In Progress		Original Goal										
HITT M2: Study Offer Requirements for Variable Resources	In Progress					Original Goal							
HITT M3: Study automatic mitigation of unduly low offers	In Progress					Original Goal							
HITT M4: Study Economic Evals of Reliability	In Progress				New Goal B/C	New Goal A							
HITT T1: ERIS Modifications & NRIS Accreditation/Delivery	Complete	COMPLETE											
HITT T2: Establish Uniform Sched 9 Local Planning Criteria	In Progress					New Goal	New Goal						
HITT T3: Implement new load addition modifications	In Progress						New Goal						
HITT T4: Study three-phase G1 process effectiveness	In Progress					Original Goal				New Goal			
HITT T5: Evaluate benefit-to-cost ratio for economic project	Complete	COMPLETE											
HITT C1: Decouple Schedule 9 & Schedule 11 pricing zones	In Progress			Original Goal			New Goal						
HITT C2: Establish byway facility cost allocation review proc	Complete	COMPLETE											
HITT C3: Eliminate Attachment Z2 rev credit for new upgrades	Complete	COMPLETE											
HITT C4: Study cost allocation for transmission storage	In Progress			Original Goal									
HITT S1: Add technological advances to SPP strategic plan	Complete	COMPLETE											
HITT S2: Continue to include seams in SPP strategic plan	Complete	COMPLETE											
HITT S3: Storage white paper	Complete	COMPLETE											





CONTACT:

Paul Suskie, HITT Executive Sponsor

psuskie@spp.org

Russell Quattlebaum, HITT Program Business Owner

rquattlebaum@spp.org

Erica Brooks, HITT Program Manager

ebrooks@spp.org



SPP'S SCRIPT

OVERVIEW & UPDATE

Helping our members work together to keep the lights on... today and in the future.



WHAT IS THE SCRIPT?

- **S**trategic and **C**reative **R**e-engineering of **I**ntegrated **P**lanning **T**eam
- Group of 16 stakeholder representatives from board, Members Committee, SPC, MOPC and RSC
- Reports to the Board and Members Committee
- Expected to complete its work by October 2021



SCRIPT SCOPE OF WORK

Propose policies to:

- *Consolidate* planning processes
- Improve *services* processes
 - responsiveness and certainty
 - Reduce dependence on queue-driven analyses
- *Optimize* transmission network
- Improve *decision quality*
- Facilitate beneficial energy *transfers*
- Improve *cost-sharing*



SCRIPT – MEMBERSHIP

Name	Company	Org. Group	Sector
Tom Christensen	Basin	SPC/MC	Cooperative
Mike Wise	Golden Spread	SPC/MC	Cooperative
Richard Ross	AEP	SPC	IOU
Bill Grant	Xcel	SPC	IOU
Dennis Florom	LES	SPC	Municipal
David Mindham	EDP Renewables	SPC	IPP
Steve Gaw	APA	MC	AP/PI
Usha Turner	OG&E	MC	IOU
Brett Leopold	ITC Great Plains	MC	ITC
Chris Jones	CUS	MC	Municipal
Joe Lang	OPPD	MC	State Agency
Denise Buffington	Evergy	MOPC	IOU
Dennis Grennan	NPRB	RSC	N/A
Andrew French	KCC	RSC	N/A
Mark Crisson	N/A	BOD	N/A
Bronwen Bastone	N/A	BOD	N/A

SUB-TEAMS – MEMBERSHIP

Consolidation	Services	Decision Quality	Transfers (Exports/Imports)	Optimization	Cost-sharing
Chris Jones	Bill Grant	Bill Grant	Andrew French	Chris Jones	Andrew French
David Mindham	Bronwen Bastone	Bronwen Bastone	Brett Leopold	Dennis Florom	Brett Leopold
Denise Buffington	David Mindham	Dennis Grennan	Joe Lang	Dennis Grennan	Mike Wise
Dennis Florom	Richard Ross	Mike Wise	Richard Ross	Denise Buffington	Tom Christensen
Joe Lang	Steve Gaw	Steve Gaw	Usha Turner	Tom Christensen	Usha Turner

2020 RECAP

- Held 11 meetings in 2020 beginning with an October 2nd kickoff meeting
- Provided six education sessions covering 1) overview of planning processes & cost allocation, 2) Integrated Transmission Planning process, 3) generator interconnection process, 4) transmission services processes, 5) cost allocation methods, 6) decision quality concepts and application, and 7) modeling
- Facilitated three ideation sessions covering the six topics of consolidation, services, optimization, transfers, decision quality and cost sharing
- Finished with a summary of ideations and preview of straw proposal development

SUB-TEAMS – UPCOMING MEETINGS

SCRIPT ★	Consolidation Sub-team	Services Sub-team	Decision Quality Sub-team	Transfers Sub-team	Optimization Sub-team	Cost-Sharing Sub-team
----------	------------------------	-------------------	---------------------------	--------------------	-----------------------	-----------------------

2021 JANUARY						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 New Year's	2
3	4	5	6 ★	7	8 C S	9
10	11 MOPC	12	13 SPC	14 T \$	15 D O	16
17	18 MLK Day	19	20 C	21	22 S	23
24	25 RSC	26 BOD/MC	27 D	28 T O	29 \$	30
31						

2021 FEBRUARY						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2 ★	3 C	4 \$	5 D	6
7	8	9 S	10	11 T	12 O	13
14	15 Pres. Day	16 C	17	18 \$	19 D	20
21	22	23 T S	24	25	26 O	27
28						

SCRIPT TIMELINE: 2021



QUESTIONS?

PURPOSE

Provide Stakeholders with an overview of FERC Order 2222 and introduce the Order 2222 Task Force

ESSENTIAL POINTS

- Compliance filing due July 19, 2021
- 10 policy buckets
- Two-phased effort
- Task force will lead effort to comply with order
- Staff-driven effort



ORDER 2222 UPDATE

GRANT WILKERSON

ORDER 2222 TASK FORCE CHAIRMAN

*Helping our members work together to keep
the lights on... today and in the future.*



SouthwestPowerPool



SPPorg



southwest-power-pool

AGENDA

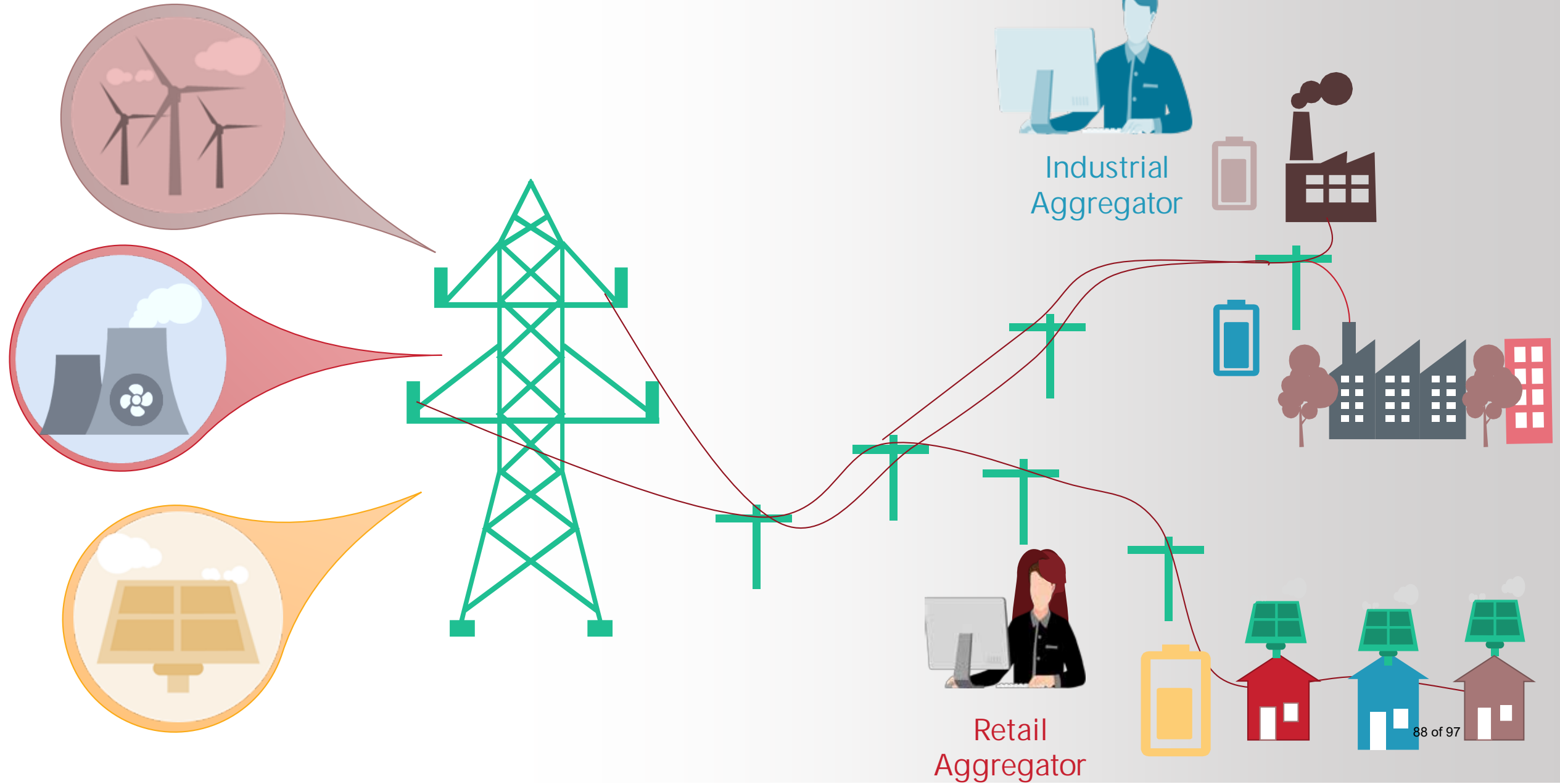
- Quick overview
- Task Force overview

FERC ORDER 2222 OVERVIEW

THE "WHAT"

Wholesale

Utility



ORDER NO. 2222 - PRESCRIPTIVE

- What to Do
 - Allow
 - Establish
 - Address
- What Else to Consider
- What Not to do

TIMELINE

- July 2021
- July 19, 2021

FERC ORDER 2222 TASK FORCE OVERVIEW

THE "HOW"

TASK FORCE OVERVIEW

- Limited scope and duration
- SPP staff will provide support through straw proposals
- Frequent meetings

STAKEHOLDER TEAM

Name	Company	Org. Group	Sector
Grant Wilkerson (Chair)	Evergy	BPWG	IOU
Michael Desselle (Staff Secretary)	Southwest Power Pool	NA	NA
Betsy Beck	Enel Green Power	MOPC	IPP
Bill Grant	Xcel	MOPC/SPC	IOU
David Mindham	EDP Renewables	MOPC	IPP
Holly Smith	Walmart	MOPC	LRC
Jessica Meyer	LES	RTWG	Municipal
Mary Ann Zehr	Tri-State	MOPC	Cooperative
Melie Vincent	OMPA	MOPC/SPC	Municipal
Natasha Henderson	Golden Spread	MOPC	Cooperative
Richard Ross	AEP	SPC/MOPC/MWG	IOU
Ron Gunderson	NPPD	ORWG	State Agency
Scott Rupp	MPSC	RSC	NA
Steve Gaw	APA	MC/MOPC	AP/PI
Steve Sanders	WAPA	RTWG	Fed Agency
Ted Thomas	APSC	RSC	NA

INTERNAL LEADERSHIP TEAM

- Cross-departmental
 - Business leaders
 - Technical subject matter experts
 - Staff secretaries
 - Project management office
- Will not make policy decisions
- Will facilitate task force's work internally
 - Review staff proposals
 - Schedule, milestone, dependency & risk management
 - Make recommendations to task force

PLANNED TIMELINE

DATE	TIME	MEETING TOPICS
Tues., Jan. 5	1:00 P.M. CST	Policy Issue 1-7
Wed., Jan 20	1:30 P.M. CST	Policy Issue 1-7
Wed., Jan 27	1:30 P.M. CST	Policy Issue 1-7
Tues., Feb 9	8:30 A.M. CST	Policy Issue 1-7
Tues., Feb 23	1:30 P.M. CST	Policy Issue 1-7
Tues., Mar 9	1:30 P.M. CST	Policy Issue 8
TBD	1:30 P.M. CST	Policy Issue 8
Tues., Apr 6	1:30 P.M. CST	MOPC Prep/ Issue 9

DATE	TIME	MEETING TOPICS
Tues., Apr 13		MOPC meeting
Tues., Apr 20	1:30 P.M. CST	Post-MOPC/Issue 9
Tues., May 11	1:30 P.M. CST	Policy Issue 10
Tues., May 25	1:30 P.M. CST	Policy Issue 10
Tues., Jun 8	1:30 P.M. CST	Closeout of issues
Tues., Jun 22	1:30 P.M. CST	Final adoption
Mon., Jul 12	1:30 P.M. CST	MOPC approval
Mon., Jul 19	1:30 P.M. CST	FERC filing

Milestones may be added to ensure policy and governing document language is approved in time to obtain executive level committee approval and draft the filing

KEY TAKE-AWAYS

- 10 policy buckets
 - Order requirements grouped by policy bucket and prioritized
 - Additional considerations identified per bucket and prioritized
- Two-phased effort
 - Compliance filing
 - Implementation
- Task force is leading compliance effort
- Stakeholder groups will give input as needed
- July 19 compliance filing deadline
- RMS quick pick for questions
- Task force webpage for information
- Task force exploder email list

QUESTIONS

