

# Engaging in a world of change

Indian Country Energy and Infrastructure Working  
group

Q1 meeting

February 24, 2020 | Fort McDowell, AZ

Dawn Roth Lindell

Senior Vice President and

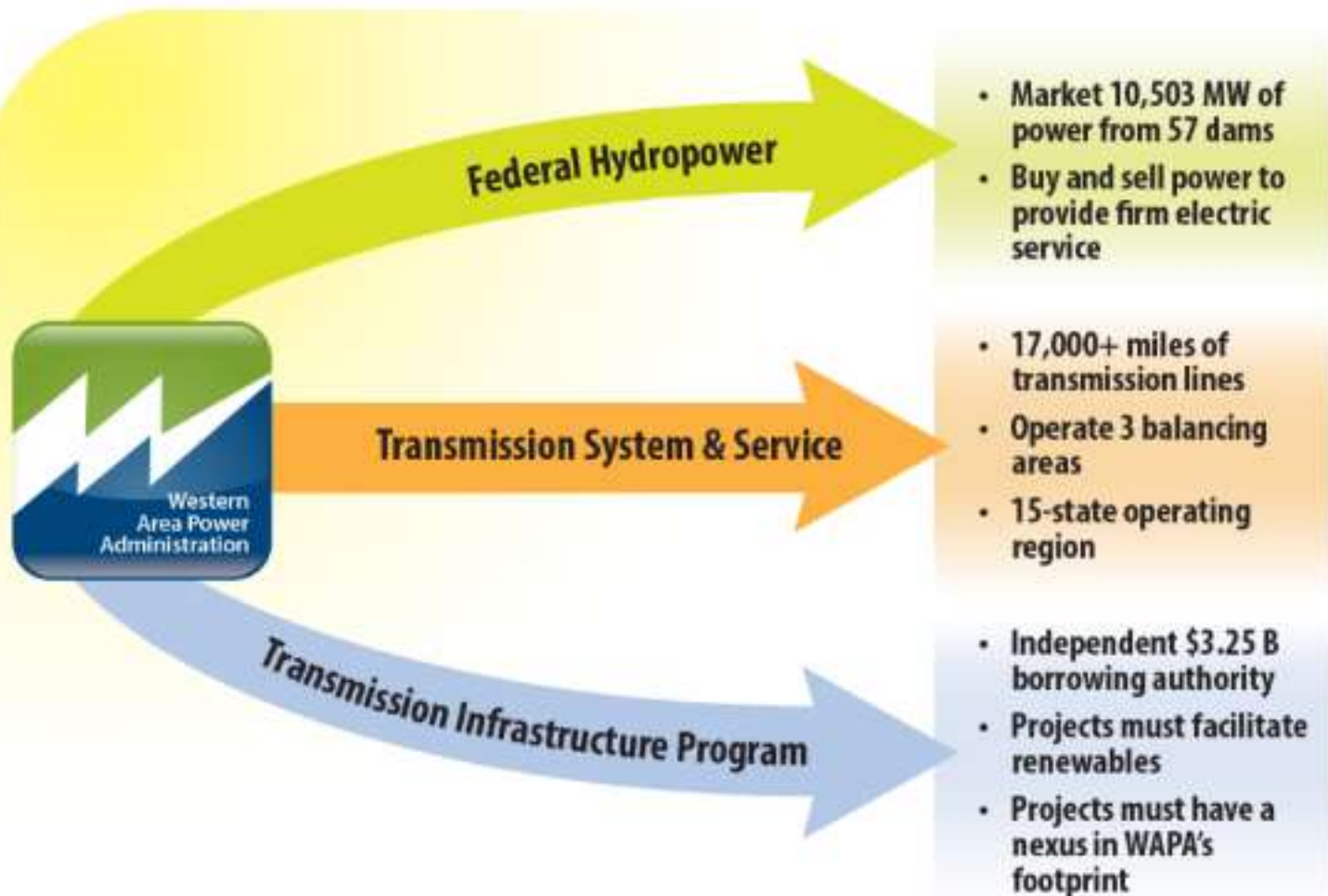
Rocky Mountain Regional Manager

# WAPA's 15 State Territory

- \$4.3 billion in assets
- 114,863 structures
- 17,231 miles of transmission line
- 322 substations
- 291 transformers
- 661 buildings
- 487 communication sites



# Three lines of business



# Strategic Roadmap 2024



## Mission

Market and deliver clean, renewable, reliable, cost-based Federal hydroelectric power and related services

# Engaging in a world of change



# Core Values

**Listen to understand,  
speak with purpose**



**Seek. Share. Partner.**



**Be curious, learn more,  
do better. Repeat.**



**Respect self, others  
and environment.**



**Do what is right.  
Do what is safe.**

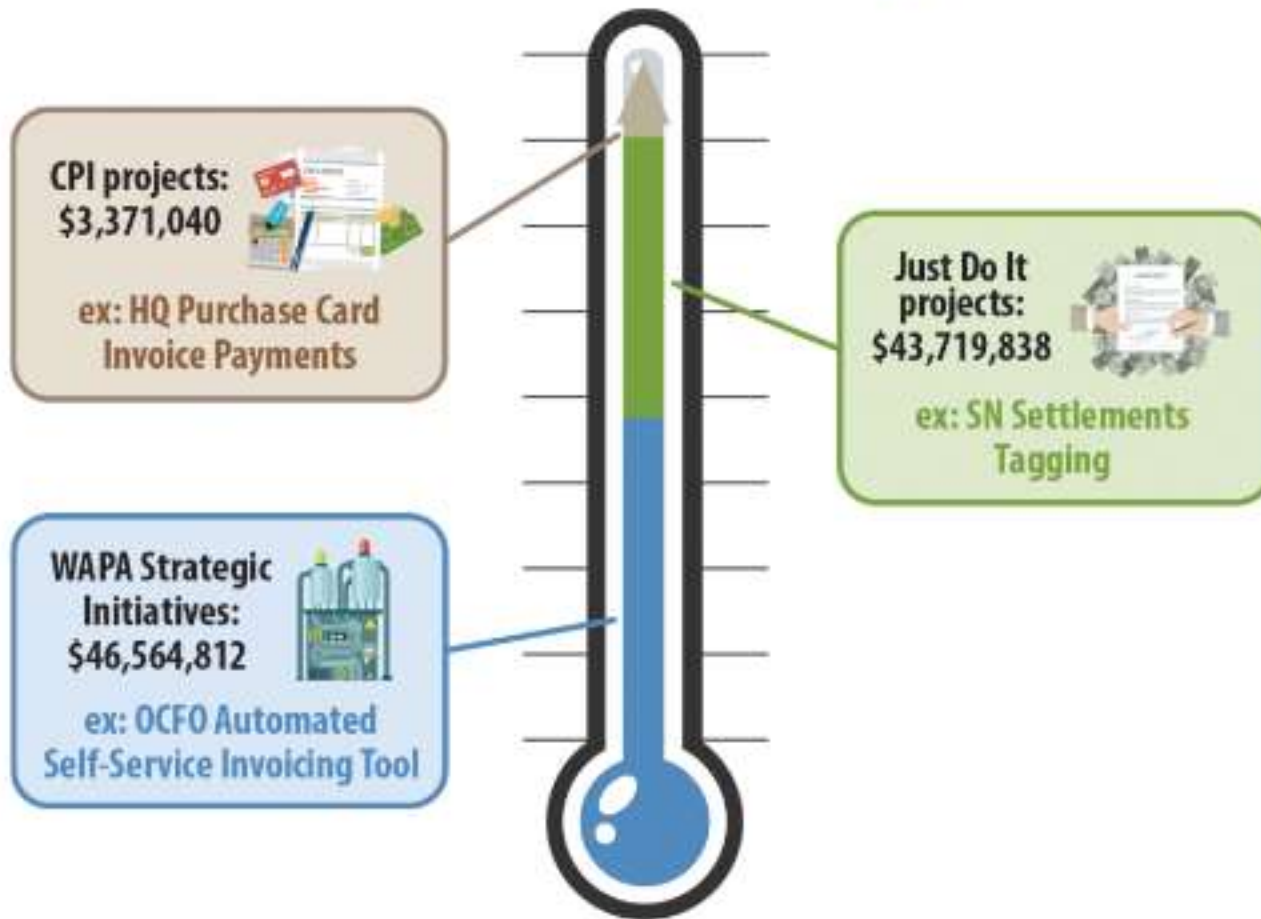


**Serve like your lights  
depend on it.**

# Mission breakout



# Continuous Process Improvement



**WAPA cost savings and avoidance: \$93,655,690 as of September 30, 2019**



# Carbon constraints/capacity conflict

- Demand for new power sources will outstrip capacity
- Demand for clean energy will outstrip the capacity
- Public perception contrasts with the reality of the system
- Renewables are being promoted the only answer
- Cost of renewables creates financial challenges



# Change is upon us

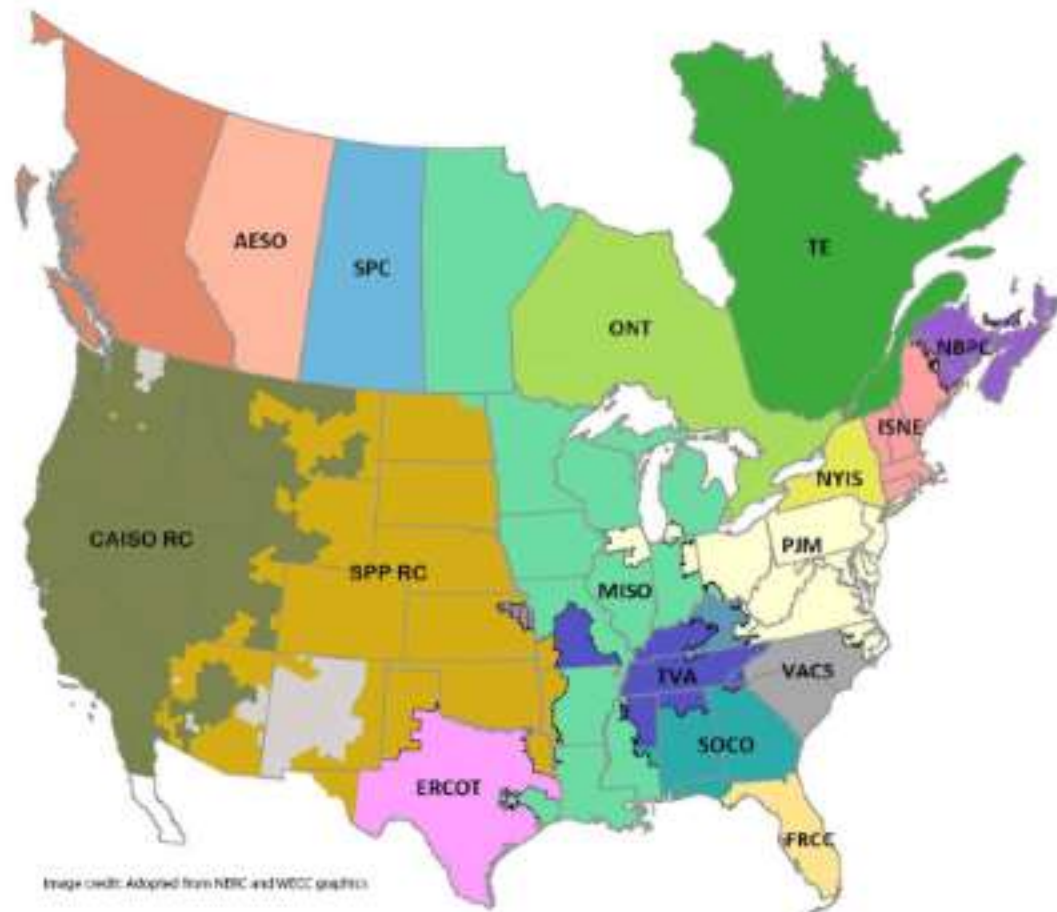
NEW WIND-PENETRATION RECORD

**71.3%**  
AT 3:15 A.M.  
FEB. 3, 2020

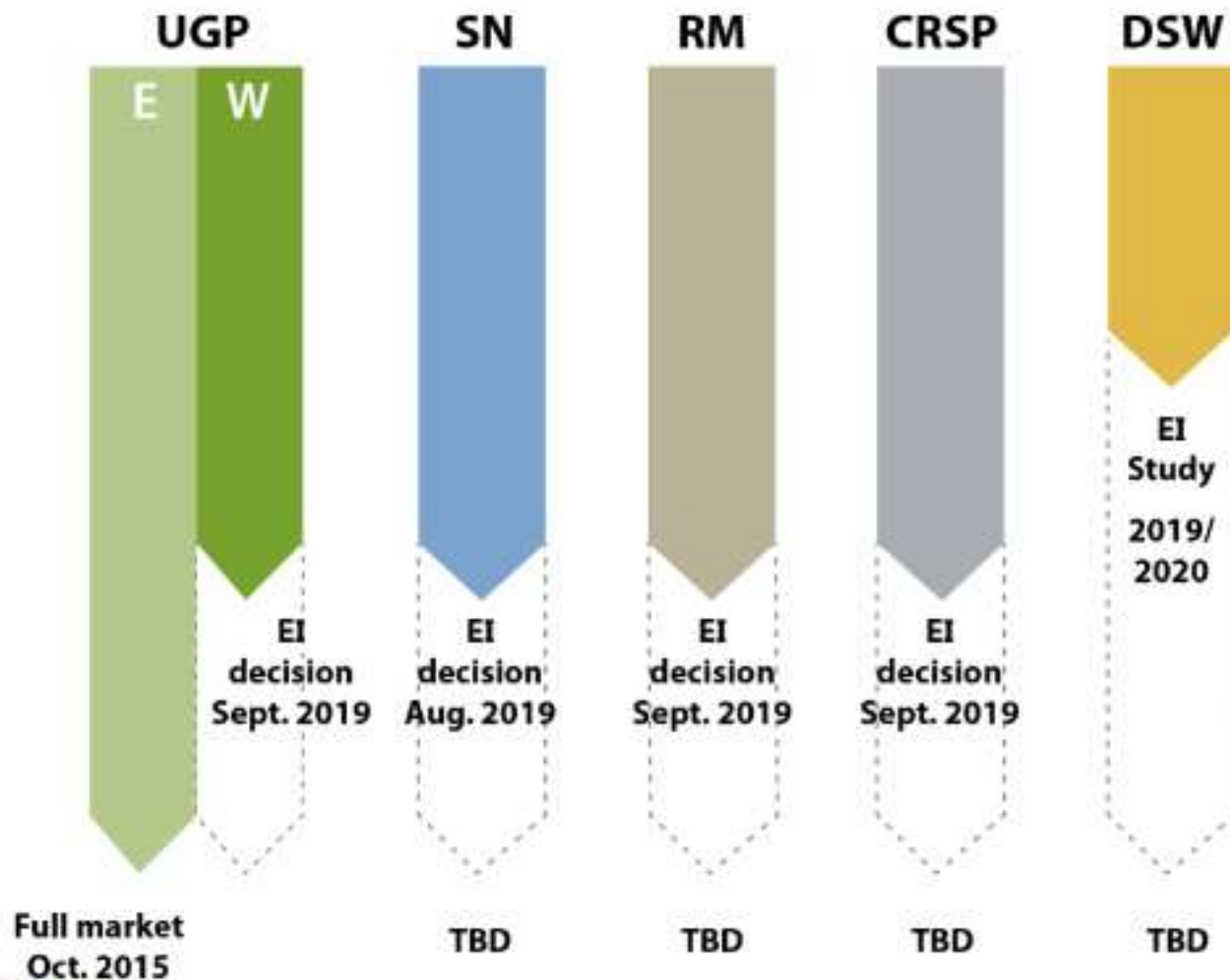
 *Southwest  
Power Pool*

# RC transition

- UGP-East – SPP  
10/2015
- SN – CAISO  
7/2019
- DSW/RM/CRSP/  
UGP-West – SPP  
12/2019



# Market status timeline



# Wildfire prevention & mitigation

- Reviewing vegetation management programs
- Working with landowners & other agencies
- Participating in utility committees



# Cyber threat environment

- Increasing regulations
- Internet of Things
- Scope and breadth of organization
- Asset management nexus
- Continuous communications



# OT/IT convergence

- Lifecycle discrepancy
- “Smart” technology
- Situational awareness
- Data management



# Transmission vision and strategy





# Key takeaways

Engagement is critical to secure a successful future.

Stability and progress are necessary.

Remain adaptable & responsive to world of change.



# Contact/follow me

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