



2023 NARUC Annual Meeting and Education Conference

CONNECTING THE DOTS

Innovative/Disruptive Technology and Regulation

Concurrent Session D3

**From Isolation to Cooperation:
Incorporating Regional Solutions in
State Commission Proceedings**



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From Isolation to Cooperation: Incorporating Regional Solutions in State Commission Proceedings

Moderator: Hon. Sarah Freeman, Indiana

- **Ric O'Connell**, Executive Director, GridLab
- **Sarah Edmonds**, President and CEO, WPP/WRAP
- **Hon. Mary Throne**, Chair, Wyoming
- **Marcus Hawkins**, Executive Director, OMS



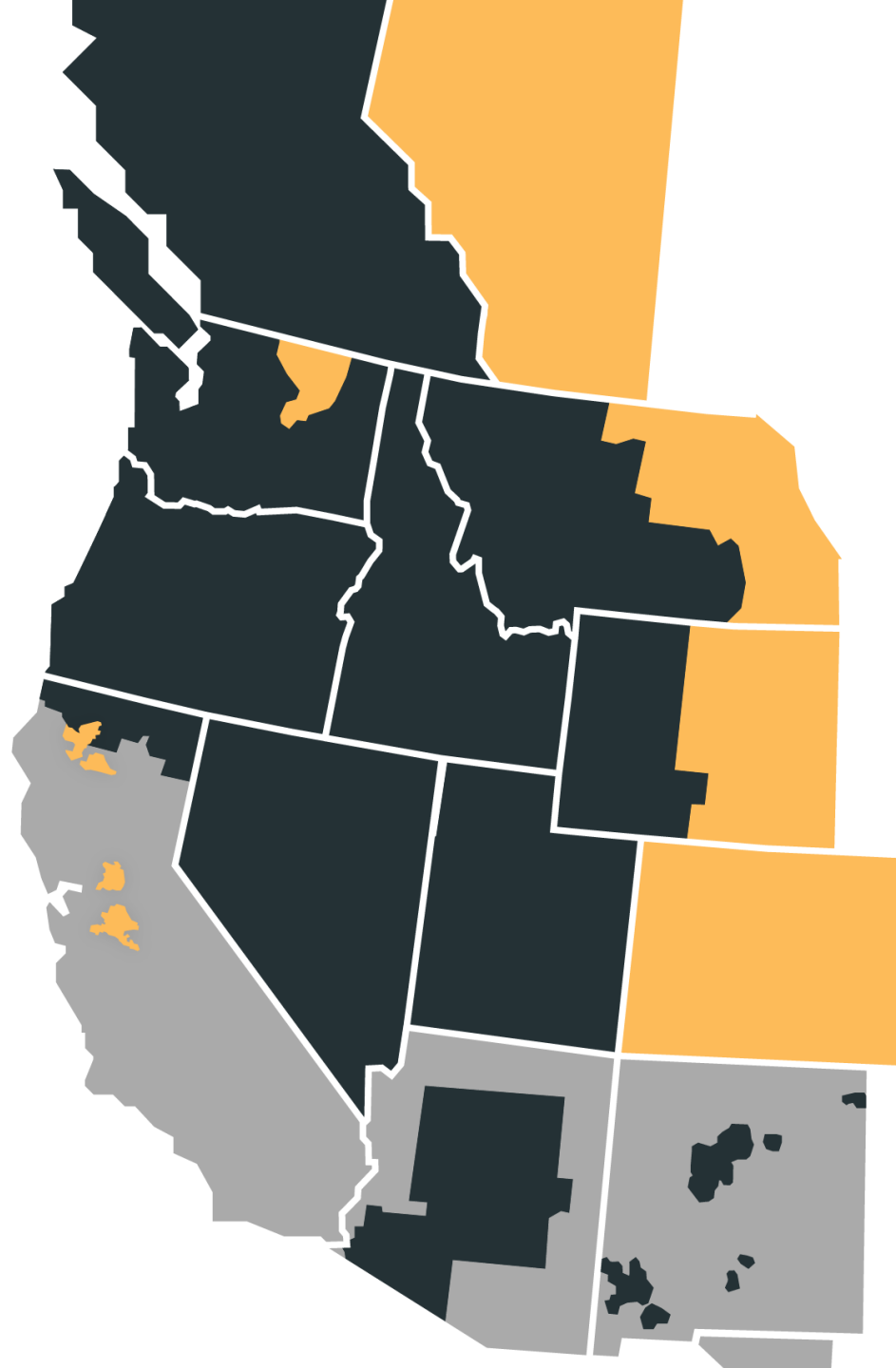
**FROM ISOLATION TO COOPERATION: INCORPORATING REGIONAL
SOLUTIONS IN STATE COMMISSION PROCEEDINGS
WESTERN POWER POOL**

November 15, 2023

Sarah Edmonds
President & CEO

CURRENT LOAD-SERVING ENTITY PARTICIPANTS

- Arizona Public Service
- Avista
- Bonneville Power Administration
- Calpine
- Chelan County PUD
- Clatskanie PUD
- Eugene Water & Electric Board
- Grant PUD
- Idaho Power
- Northwestern Energy
- NV Energy
- PacifiCorp
- Portland General Electric
- Powerex
- Public Service Company of New Mexico
- Puget Sound Energy
- Salt River Project
- Seattle City Light
- Shell Energy
- Snohomish PUD
- Tacoma Power
- The Energy Authority



WRAP IMPLEMENTATION TIMELINE

Non-Binding Forward Showings

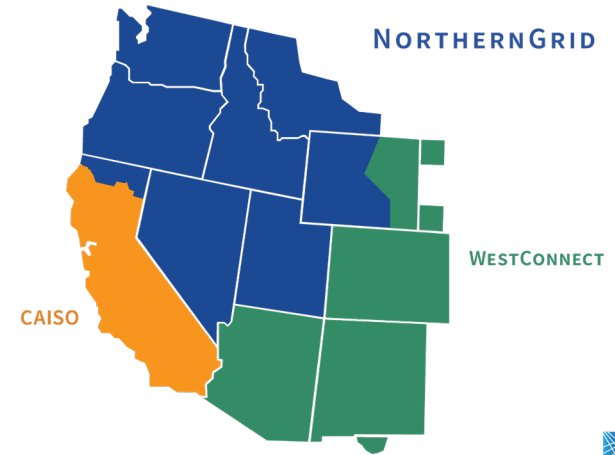
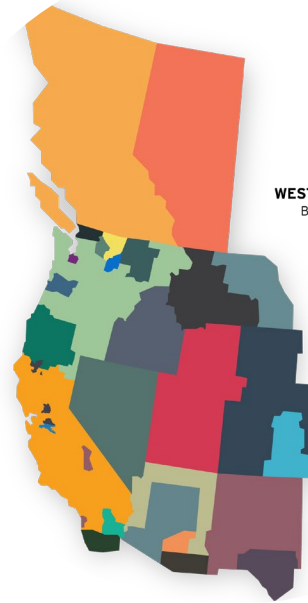
Transition Seasons



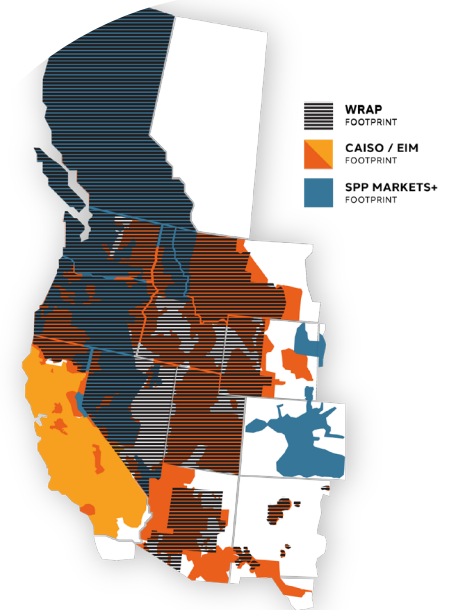
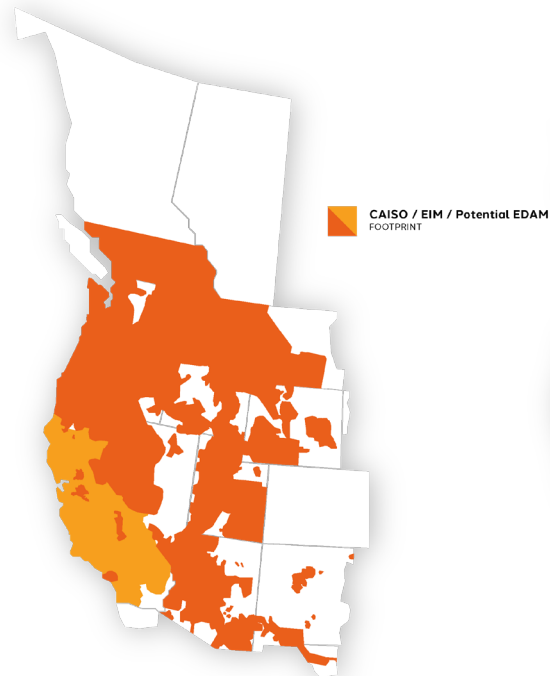
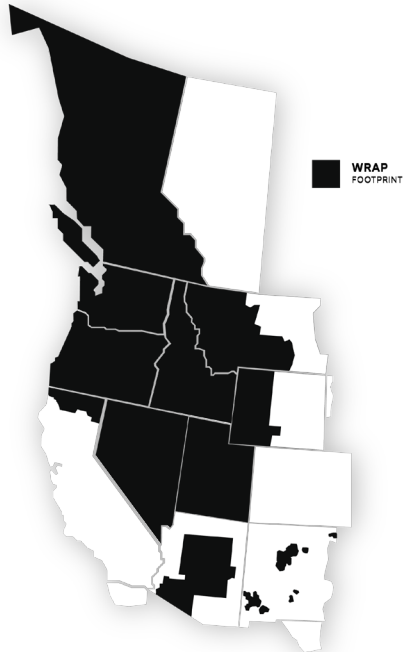
Non-Binding Operations Program

Binding Program

WESTERN GRID INTEGRATION BUILDING BLOCKS



NorthernGrid



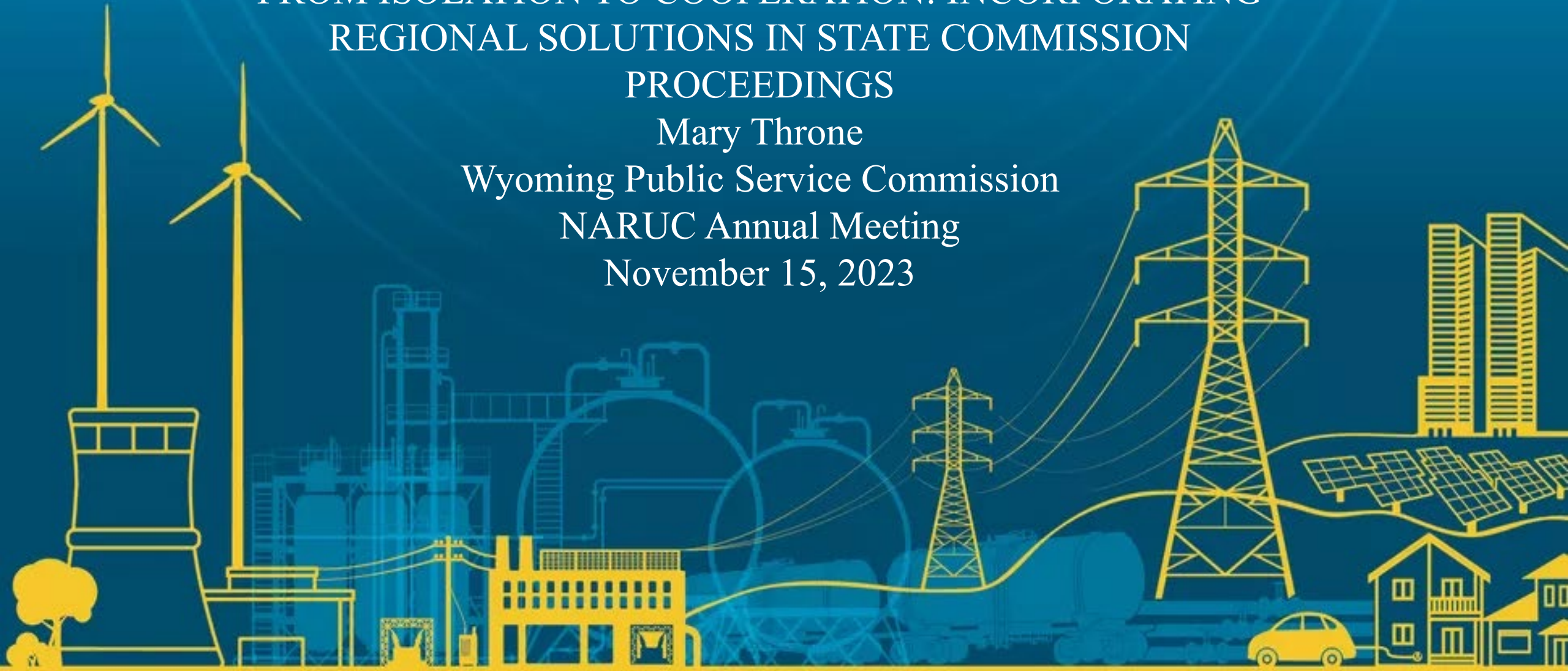
FROM ISOLATION TO COOPERATION: INCORPORATING
REGIONAL SOLUTIONS IN STATE COMMISSION
PROCEEDINGS

Mary Throne

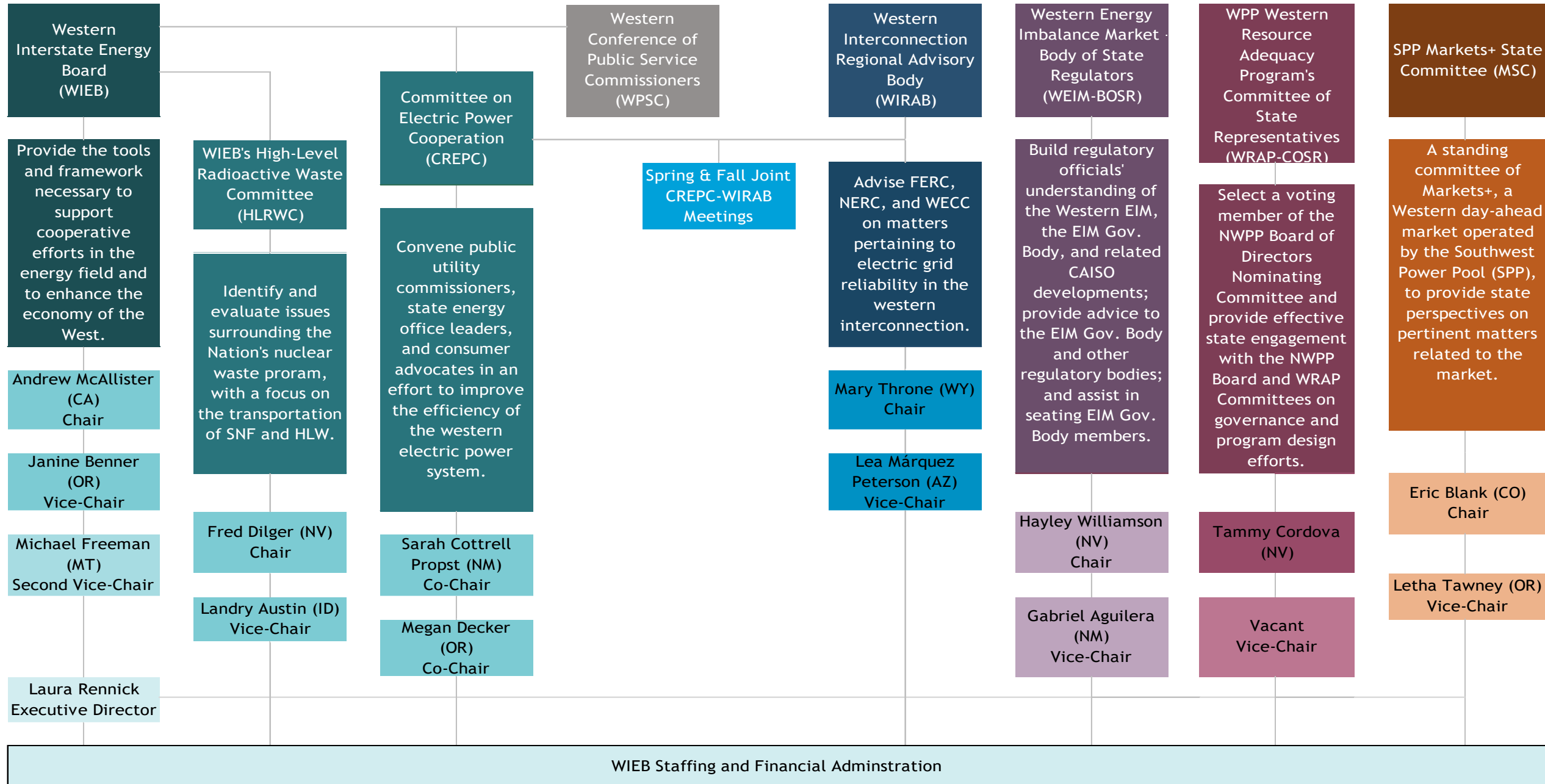
Wyoming Public Service Commission

NARUC Annual Meeting

November 15, 2023



Organizational Chart - WIEB, CREPC, WIRAB, EIM-BOSR, COSR, MSC



Western Interstate Nuclear Board (WINB)

Established by interstate compact ratified by P.L. 91-461; members appointed by Governors of signatory states

Western Interstate Energy Board (WIEB)

- Governors of AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY, and Premiers from AB and BC may appoint member representatives.
- <http://westernenergyboard.org/>

Western Interconnection Regional Advisory Body (WIRAB)

- Created by FERC pursuant to Section 215(j) of the Federal Power Act.
- Governors / Premiers from AB, AZ, BC, CA, CO, ID, MT, NE, NV, NM, OR, SD, UT, TX, WA, WY, and Mexico may appoint member representatives.
- <http://westernenergyboard.org/wirab/>

Federal Energy Regulatory Commission

North American Electric Reliability Corporation

Western Electricity Coordinating Council

**Western Interstate
Energy Board
(WIEB)**

- Created as an interstate compact by western states and ratified by Congress (P.L.91-461).
- Governors of AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY, and Premiers of AB and BC appoint member representatives.
- Provides the instruments and framework for developing energy policy cooperatively among member states and provinces and the federal government to “enhance the economy of the West and contribute to the well-being of the region’s people.”

**Western Interconnection
Regional Advisory Body
(WIRAB)**

- Created by western governors pursuant to Section 215(j) of the Federal Power Act.
- WIEB Board Members from AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY, BC, and AB appoint member representatives.
- Governors from NE, SD, TX, and Baja California Mexico appoint member representatives.
- Provides advice to FERC, NERC, and WECC on electric reliability matters in the Western Interconnection.

**Western EIM Body of
State Regulators
(WEIM-BOSR)**

- Created by California ISO Board of Governors to address the regional nature of the Western Energy Imbalance Market (EIM).
- One commissioner from each state public utilities commission in which a regulated load-serving utility participates or plans to participate in the Western EIM.
- Provides a forum for state commissioners to: (1) select a voting member of the EIM Governing Body Nominating Committee, (2) learn about and discuss the EIM and CAISO markets, and (3) express a common position to the EIM Governing Body on EIM issues.

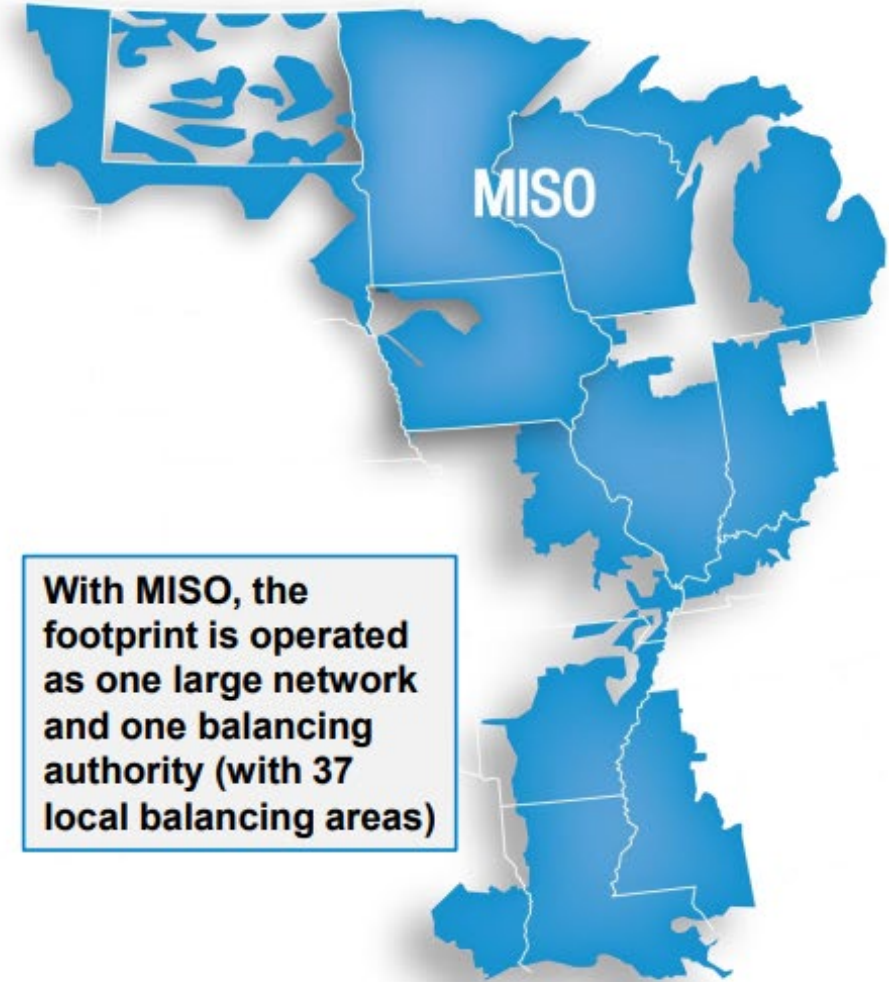
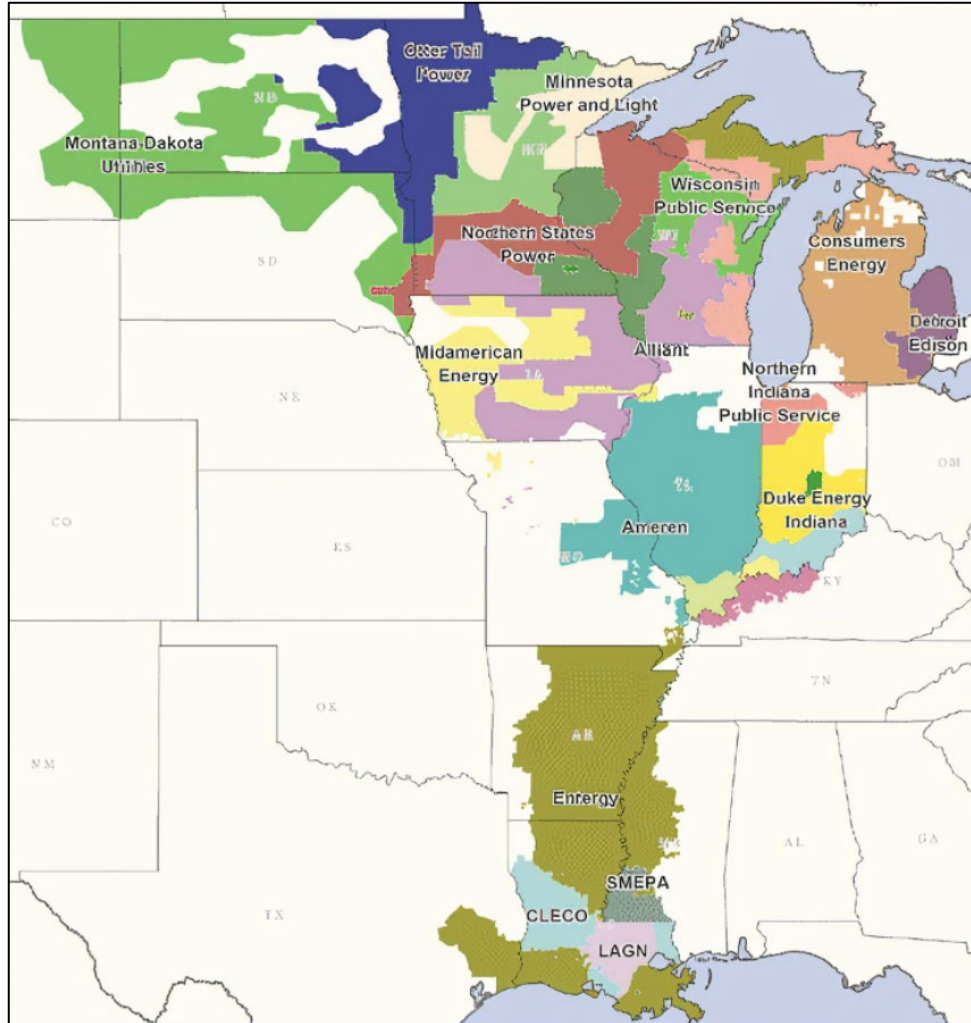
**Western RA Program
Committee of State
Representatives
(WRAP-COSR)**

- Created by Northwest Power Pool Board of Directors to address the regional nature of the Western Resource Adequacy Program (WRAP).
- One representative from each state or province in which a load-serving entity participates in the WRAP.
- Provides advice to the Northwest Power Pool and FERC on the design and operation of the Western Resource Adequacy Program.

**Markets+ State
Committee
(MSC)**

- Created by the Southwest Power Pool to provide Western state perspectives on Markets+.
- During Phase One of the Markets+ development, membership is open to one representative from any state or province with an entity that is considering joining Markets+.
- Provides advice to the Markets+ Participant Executive Committee and the Markets+ Independent Panel on the design and operation of Markets+.

There are major differences between how resource adequacy is **planned** for and how it is **provided**



With MISO, the footprint is operated as one large network and one balancing authority (with 37 local balancing areas)



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