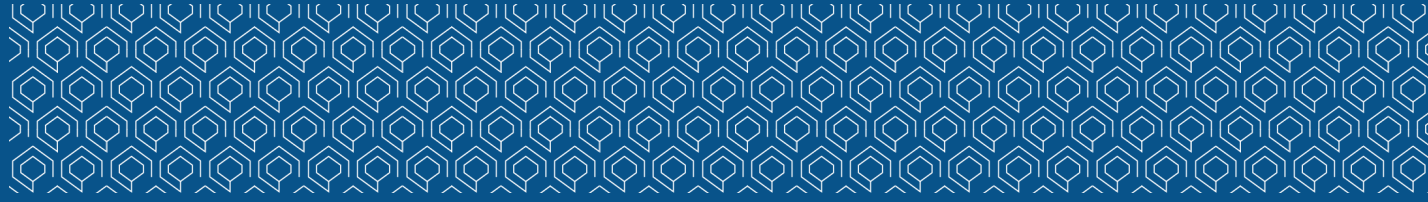




TRI-STATE

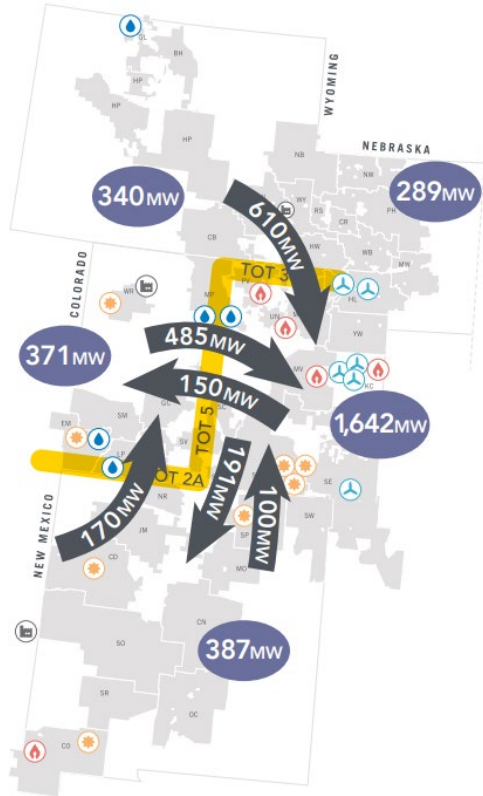


Evolving Approach to Resource Adequacy

Lisa Tiffin, Senior Vice President Energy Management

WHATEVER THE FUTURE HOLDS,
WE'LL POWER IT.

Tri-State System



41 Utility Members
 >1 Million electricity consumers
 ~200,000 square miles

- TOT** Transmission constraint
- ↪ Tri-State owned transmission capacity
- ☀ Solar
- 🌿 Wind
- 💧 Hydro
- 🔥 Natural Gas
- 🏭 Coal
- MW** 2023 Peak Member Load

Network transmission customer of 10 transmission providers.
 Regulated for system-wide resource planning by state of Colorado.

Western Interconnection

Balancing Authority	Imbalance Markets
PacifiCorp	WEIM* (2014)
WACM	WEIS** (2021)/SPP RTO (2026)
PSCo	WEIS (2023)
PNM	WEIM (2021)
TEP	WEIM (2022)

Eastern Interconnection

Balancing Authority	RTO
SPP	SPP

*Western Energy Imbalance Market operated by CAISO

**Western Energy Imbalance Services operated by SPP

Transitioning Resource Mix & Reliability Metrics

80% GHG reduction in Colorado by 2030 from a 2005 baseline

- Interim targets starting in 2025

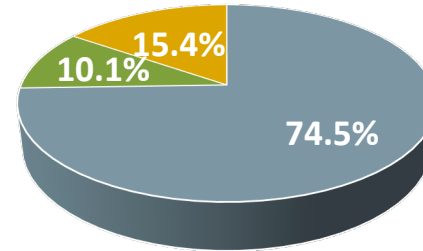
Level I Reliability Metrics

- Planning Reserve Margin
 - 22% Transitional
 - 30.5%

Level II Metrics (Member Driven):

- Extreme Weather Events
- Metrics specific to EWE
 - Frequency, magnitude & duration
- 99%+ Reliability Required
- Evolving to evaluate renewable droughts

Preferred Plan: 2032 Capacity Credit Mix (ELCCs)



- Firm/Dispatchable
- Intermittent
- Semi-Dispatchable

Utility Scale	Nameplate Capacity (MW)	ELCC/Capacity Credit (MW)
Wind	1470	204
Solar	920	44





TRI-STATE



WWW.TRISTATE.COOP

