

**Midcontinent Independent System Operator (MISO)** is an independent, not-for-profit organization that delivers safe, cost-effective electric power across 15 U.S. states and the Canadian province of Manitoba. MISO is committed to reliability, nondiscriminatory operation of the bulk power transmission system and collaborating with all stakeholders to create cost-effective and innovative solutions for our changing industry. MISO operates one of the world's largest energy markets with more than \$22 billion in annual gross market energy transactions.

## SCOPE OF OPERATIONS

### Generation Capacity

- 184,287 MW (market)
- 198,933 MW (reliability)

### Historic Summer Peak Load (set July 20, 2011)

- 127,125 MW (market)
- 130,917 MW (reliability)

### Historic Winter Peak Load (set January 6, 2014)

- 109,336 MW (market)
- 117,903 MW (reliability)

### Transmission

- 65,800 miles

### Balancing Authorities

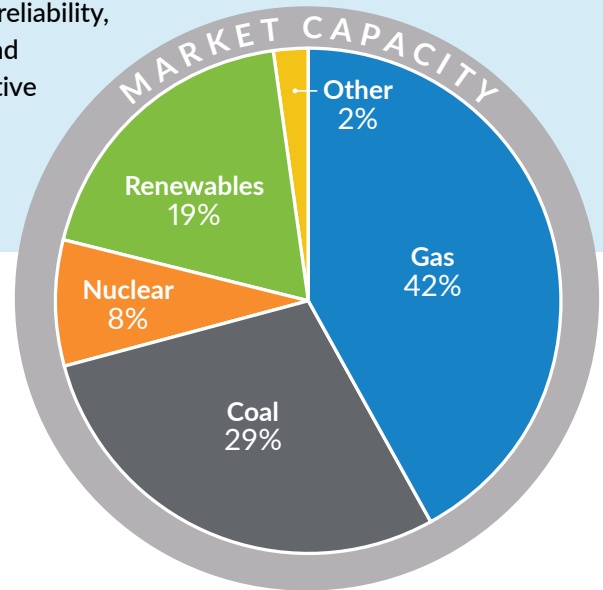
- 38 Local Balancing Authorities in MISO

### Network Model

- 294,467 SCADA data points
- 6,726 generating units

Registered Wind Generation Capacity	25,974 MW
Registered In-Service Wind Generation Capacity	22,082 MW
Registered Solar* Generation Capacity	464 MW
Registered In-Service Solar Generation Capacity	464 MW

\* Does not include Behind-the-Meter Generation (BTMG) Solar



## MARKETS OVERVIEW

MISO manages one of the world's largest energy and operating reserves markets using security-constrained economic dispatch of generation.

The Energy and Operating Reserves Market includes a Day-Ahead Market, a Real-Time Market, and a Financial Transmission Rights (FTR) market. These markets are operated and settled separately.

- \$22 billion annual gross market charges (2020)
- 471 Market Participants who serve ~42 million people

## TRANSMISSION EXPANSION PLANNING

- 515 approved new projects in MTEP20, representing \$4.16 billion investment of new or upgraded line transmission

## MEMBERSHIP

- 58 Transmission Owners
- 128 Non-transmission Owners

## CONTACT

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