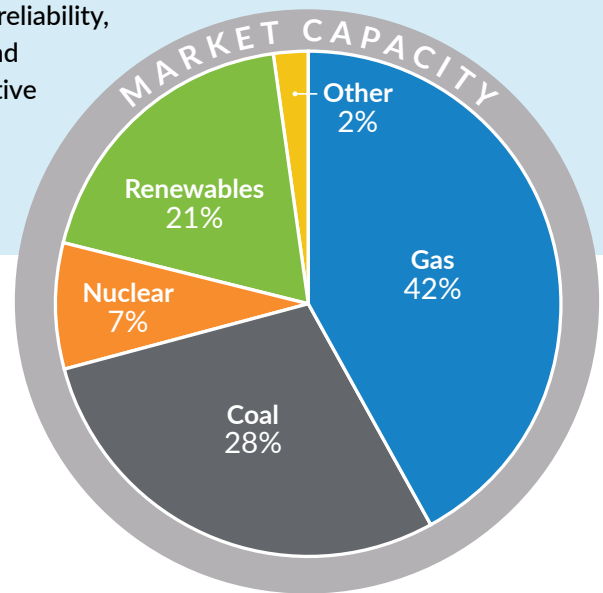


Midcontinent Independent System Operator (MISO) is an independent, not-for-profit organization that delivers safe, cost-effective electric power across 15 U.S. states and the Canadian province of Manitoba. MISO is committed to reliability, nondiscriminatory operation of the bulk power transmission system 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

- 186,986 MW (market)
- 201,719 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 (72,000 including Manitoba)

Balancing Authorities

- 38 Local Balancing Authorities in MISO

Network Model

- 295,924 SCADA data points
- 6,773 generating units

Registered Wind Generation Capacity	28,893 MW
Registered In-Service Wind Generation Capacity	28,319 MW
Registered Solar* Generation Capacity	2,441 MW
Registered In-Service Solar Generation Capacity	2,441 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

- 355 approved new projects in MTEP21, representing \$3 billion investment of new or upgraded line transmission

MEMBERSHIP

- 56 Transmission Owners
- 128 Non-transmission Owners

CONTACT

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