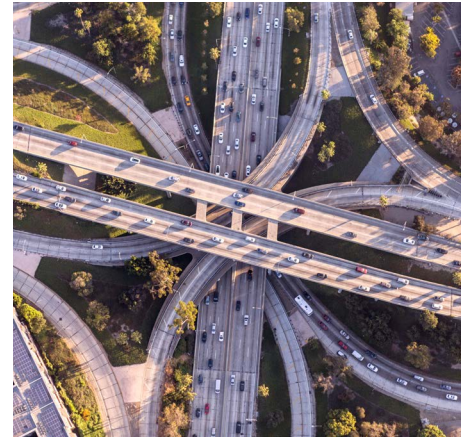


# Expanding the Energy Highway Through Transmission Planning



Just like highways connect cities, transmission lines connect power plants to communities that need electricity. MISO helps plan and prioritize these connections through a process we call transmission planning, which ensures electricity can move reliably and affordably across our region. As demand for electricity grows and more renewable energy comes online, the grid needs new 'highways' to deliver power where it's needed. At the same time, MISO looks for ways to get more out of today's grid by integrating modern technologies that optimize existing transmission lines and increase the power they can safely carry. Without careful planning, we risk higher costs, power outages, and delays in connecting new energy resources. By looking ahead and building the right infrastructure, MISO keeps the transmission system strong, efficient, and ready for the future.



ADVANCING PLANS TO BUILD OR IMPROVE

42,000 MILES

OF TRANSMISSION LINES

## BUILDING A STRONG, FUTURE-READY GRID

MISO works closely with utilities, states, and neighboring grid operators to ensure the communities we serve benefit from a strong and efficient transmission system.

**Local transmission planning** focuses on needs within an individual transmission owner's system.

**Regional planning** looks across the entire MISO footprint to identify multi-utility or system-wide needs.

**Interregional planning** goes a step further by coordinating with neighboring grid operators to address cross-border reliability or congestion issues.

Together, these planning efforts help build a resilient and future-ready grid—one that can adapt to new technologies, changing energy sources, and growing demand.

## ▶▶ MISO'S TRANSMISSION PLANNING PRIORITIES



### RELIABILITY & RESILIENCE

Prevent overloaded lines, keep power flowing



### ECONOMIC EFFICIENCY

Reduce congestion, lower costs



### RESOURCE INTEGRATION

Connect new generators



### REGIONAL COORDINATION

Coordinate with neighboring grid operators



### PLAN FOR THE FUTURE

Prepare for changing energy landscape

Read the MISO Reliability Imperative report on [misoenergy.org](https://misoenergy.org)

MAY 2026