

Reid-to-IN/KY State Line Transmission Line

Enhancing grid reliability and capacity in the Kentucky–Indiana border region

Republic Transmission is an electric transmission utility in Indiana that owns and operates transmission lines in the Midwest, with a mission to ensure reliable and cost-effective electric transmission in the Midcontinent ISO (MISO) region.

Project Award

In 2025, MISO selected Republic Transmission as the project sponsor for the Reid Extra High Voltage (EHV) – Indiana/Kentucky State Line (RIKY) Project after a competitive solicitation process. MISO found that Republic Transmission's proposal "includes a lower cost than that of the next closest developer and... features thorough design studies, a well-supported proposed routing and robust operations and maintenance plans."

Assets

- Consists of approximately 26 miles of single-circuit 345 kV transmission line connecting to the Reid EHV Substation in Kentucky with a crossing of the Ohio River into Indiana.



"Our proven expertise in building and maintaining cost-efficient transmission systems in MISO... helped us deliver a winning proposal that provides value to electricity consumers."

– Paul Thessen, President, LS Power Development

100%

Availability for
MISO power grid over
past 5 years

\$2+ Million

Property taxes paid by
Republic Transmission
since 2019

0

OSHA recordable
safety incidents
2020–2024

Republic Transmission: RIKY

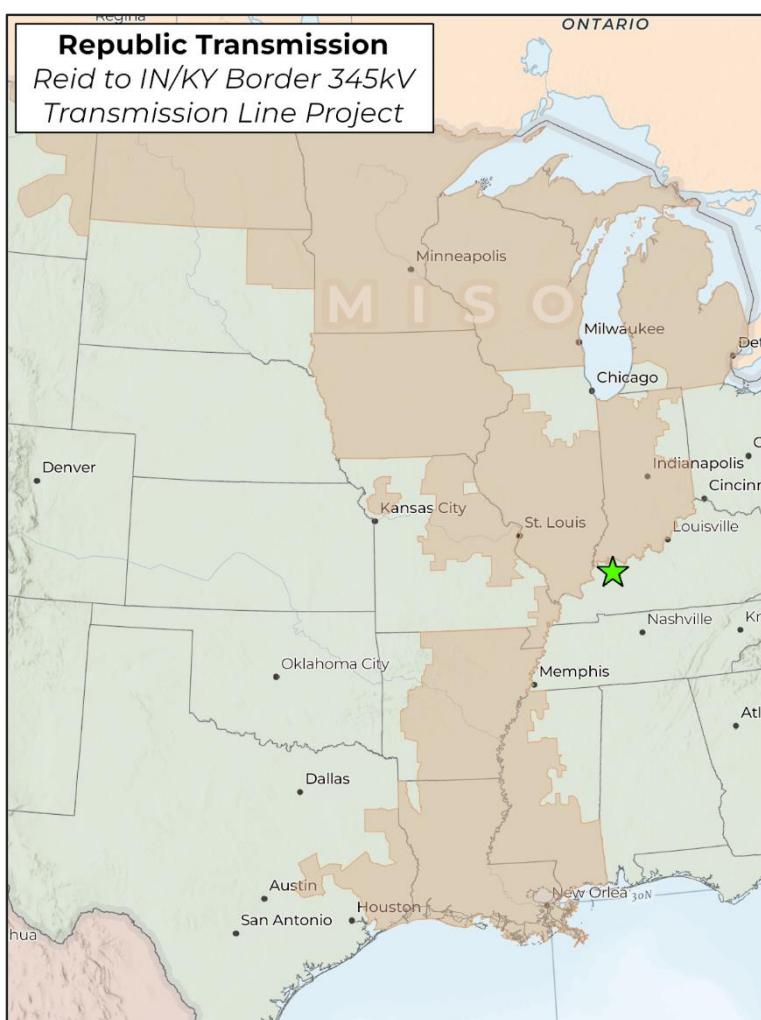
Project Highlights

Competitive Cost to Build

Republic Transmission's proposal included a lower cost than that of the next closest developer and strong cost containment for the next 40 years after the project is in-service.

Regional Development

The RIKY Project is the first competitively bid project from the Long Range Transmission Planning (LRTP) Tranche 2.1 portfolio approved by MISO's board of directors in December 2024.



Location of the RIKY Transmission Line within MISO's footprint



2025

MISO Selects
Republic
Transmission as the
Project Sponsor

2025-
26

Planning &
Preparation

2026-
28

Permitting
Review

2030

Anticipated
Construction
Start

2032

Anticipated
Energization