

About the Project



Project Description

This project, directed by Southwest Power Pool (SPP), involves building an approximately 360-mile-long new 345 kilovolt (kV) transmission line between Holcomb, Kansas, and Sidney, Nebraska. The goal is to strengthen the reliability of the electric grid and increase capacity across the region.

Sunflower Electric Power Corporation is working together with other utilities to complete this project. Sunflower's portion will include about 180 miles from Holcomb, Kansas to the Kansas-Colorado state line, approximately six miles south of US Highway 36.

Project Purpose

SPP regularly studies the regional power grid to plan for future needs and to make sure electricity stays reliable and affordable. Through this planning process, SPP identified the Holcomb-to-Sidney 345 kV transmission line as an important project to strengthen the grid in Sunflower's service area.

This project will help improve electric reliability during severe winter weather events, like Winter Storm Uri in 2021.

This project is a key step toward building a stronger, more resilient electric transmission system for our local communities.

Engineering

Typical Structure

Voltage
345 kV

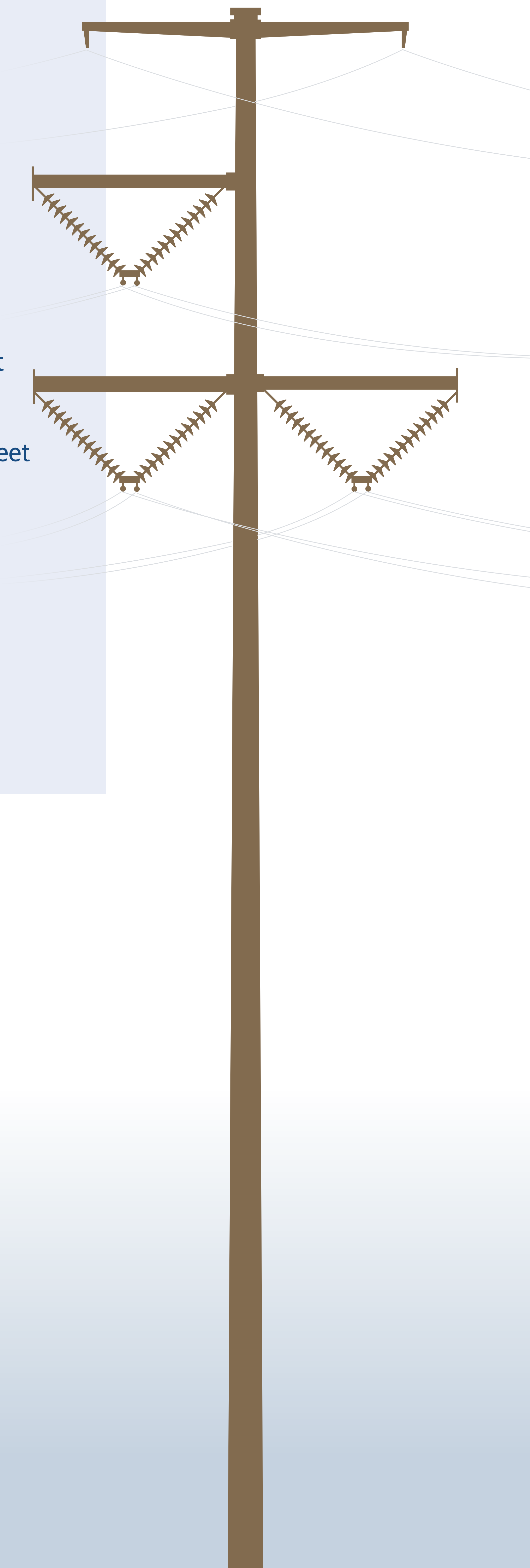
Structure
Steel monopole

Height
Typically, 115-155 feet

Span lengths
Typically, 900-1,100 feet

Structures per mile
Typically, 5-6

Conductor clearance
25 feet minimum



Project Timeline



WE ARE HERE

2026

Q1 2026

Project outreach
and siting

2027

Q1 2027

KCC approval

Q2 2027-Q4 2027

Permitting

2028

Q3 2028

Start construction

2029

2030

Q4 2030

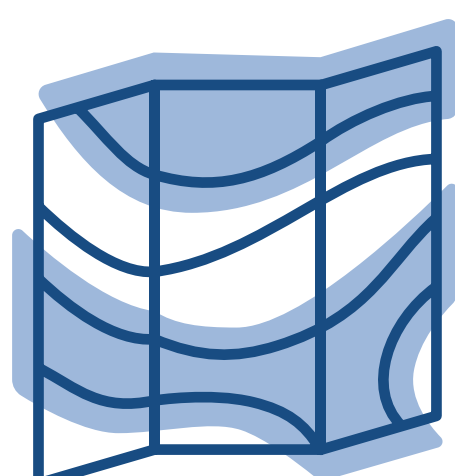
Construction
complete

Construction Process



Because transmission line construction happens in phases, work on a landowner's property will be temporary and not continuous throughout the entire construction period. Before construction begins, we will share more information on what to expect.

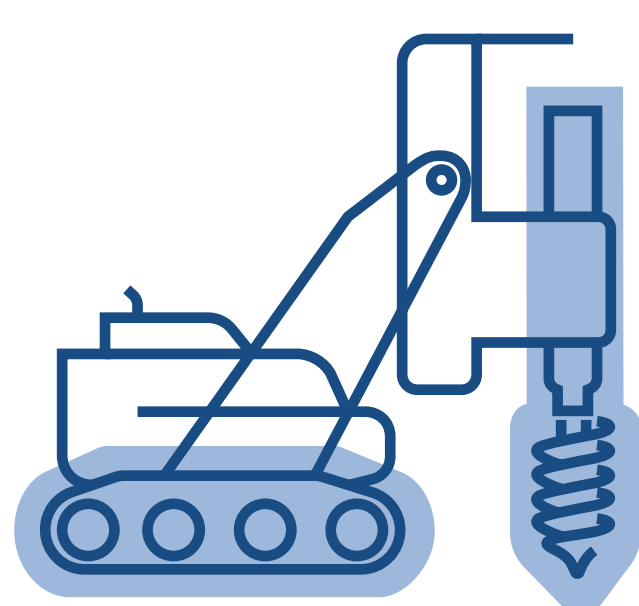
Stages of construction include:



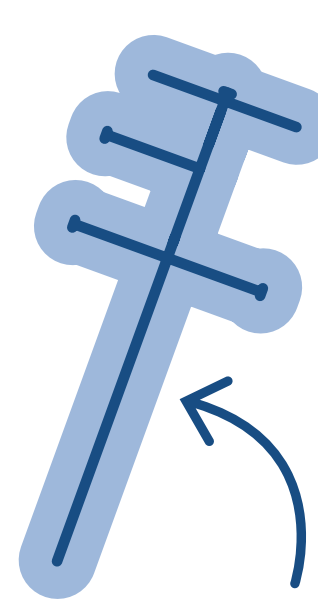
Environmental and Surveying



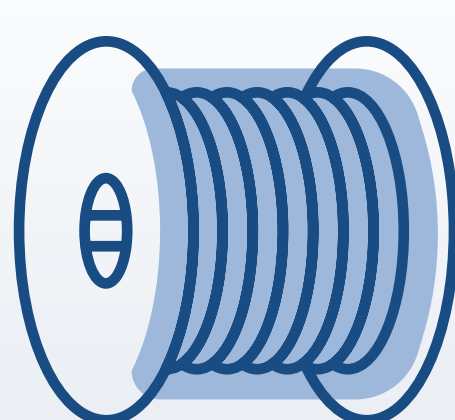
Access and Clearing



Structure Foundations



Structure Installation



Stringing Wires

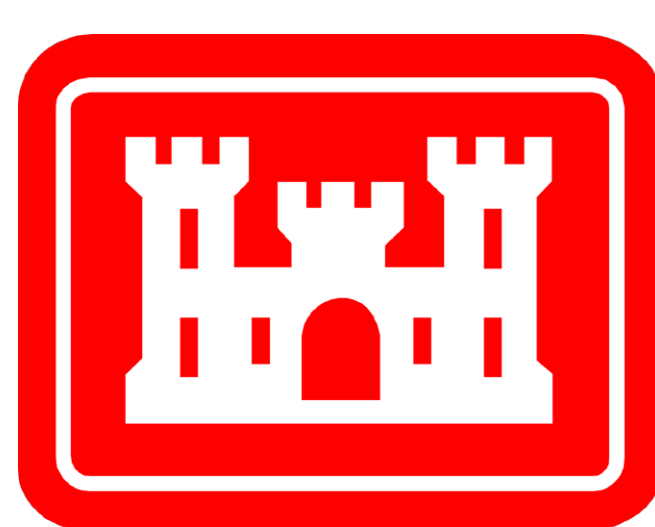


Energization

Environmental



Protecting the environment is a priority, and construction will be conducted responsibly to avoid or minimize impacts to natural resources and sensitive habitats. Sunflower will work closely with the appropriate federal, state, and local agencies to obtain required environmental permits and approvals for the project.



**US Army Corps
of Engineers®**

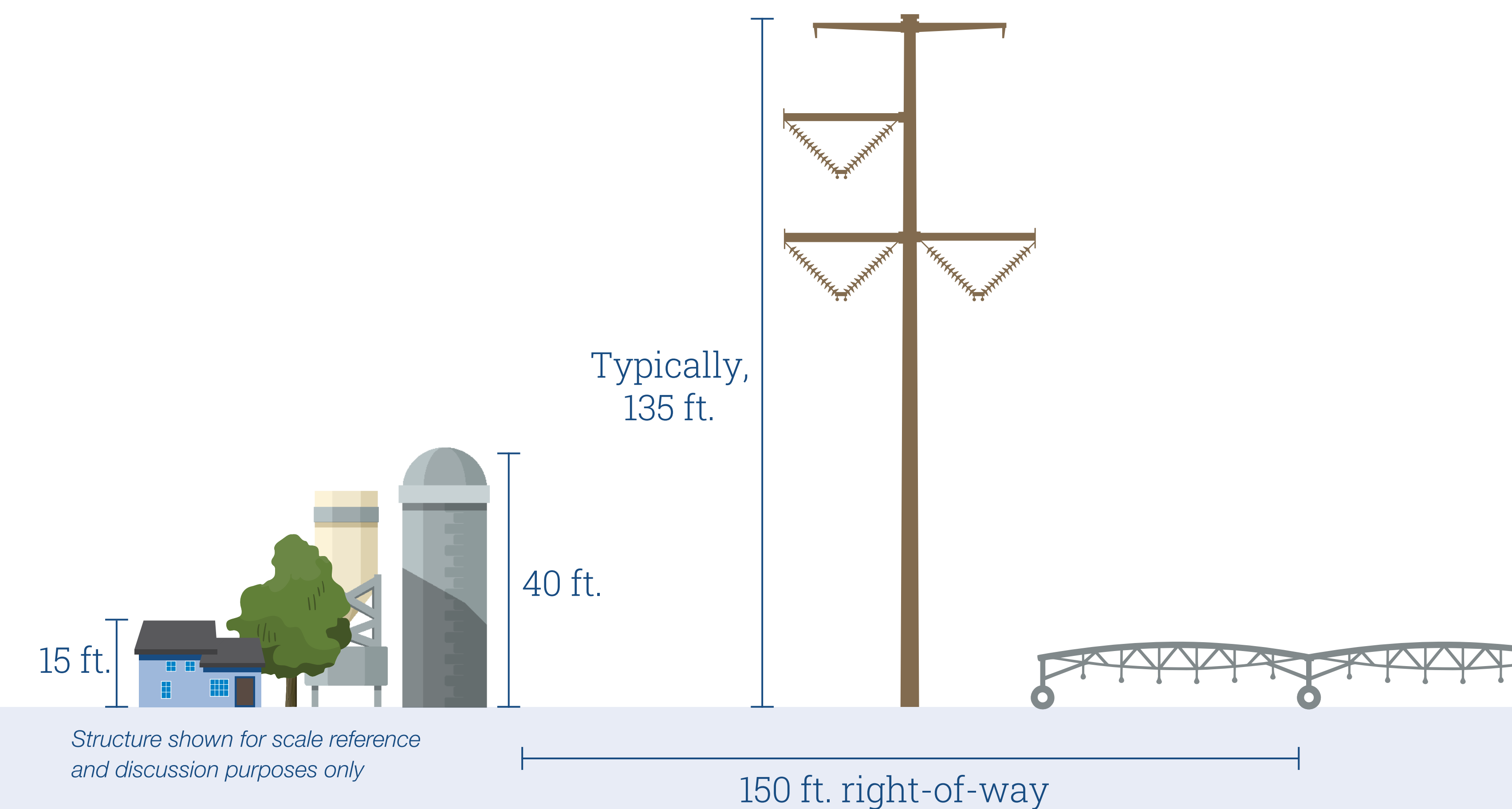
Right-of-Way



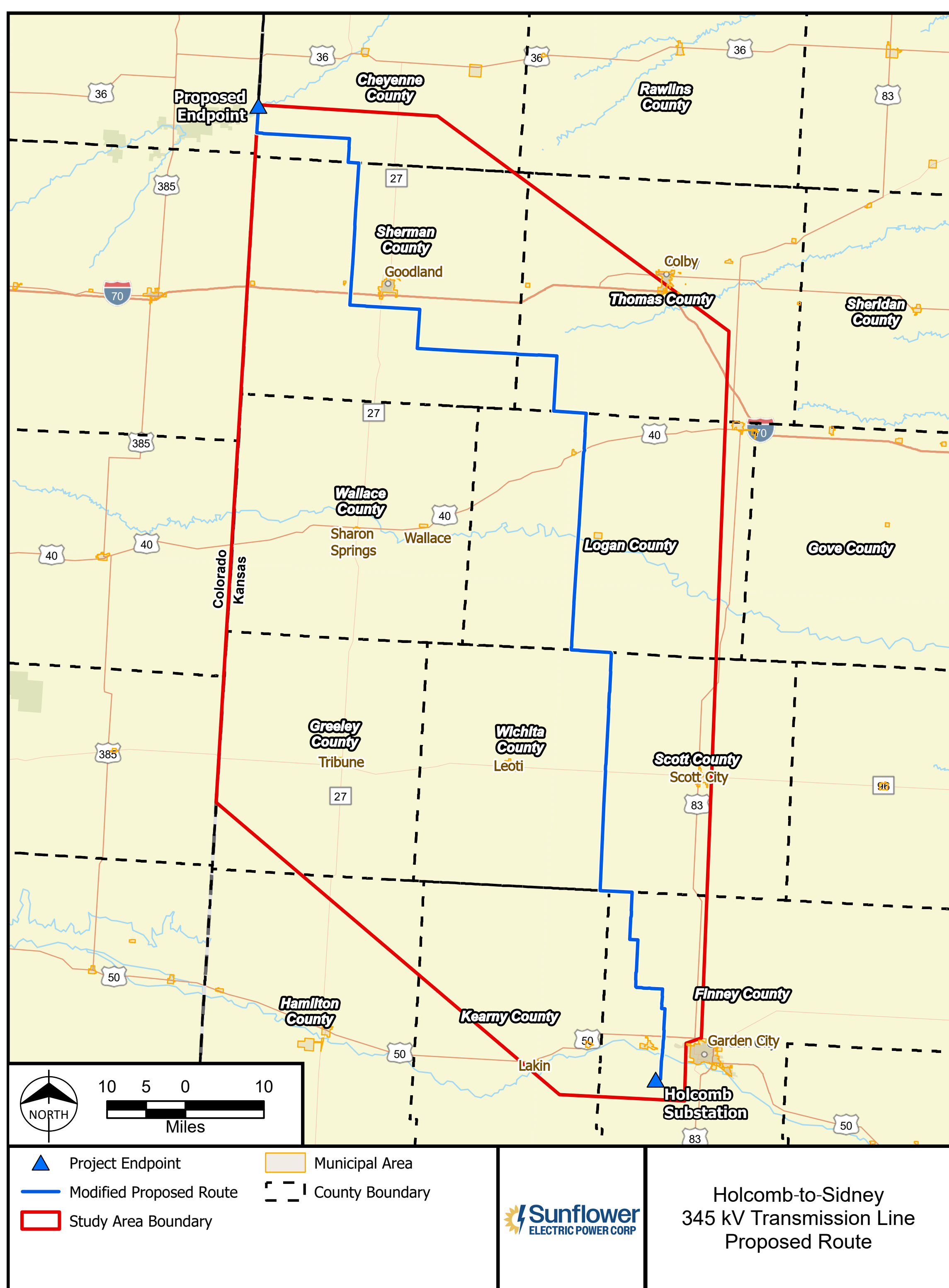
Once a final route has been approved by the Kansas Corporation Commission (KCC), our team will begin discussions with impacted landowners. We will work closely with landowners throughout this process, providing clear communication and addressing questions and concerns.

What is a right-of-way easement?

A right-of-way (ROW) easement is a legal agreement allowing someone to use a portion of someone else's property, typically for roadways, utility lines, or pipelines. It does not grant ownership of the land but provides access to the right-of-way for installation and maintenance of the transmission line. Sunflower will be seeking easement rights from affected landowners for the construction, operation, and maintenance of the transmission line.



Project Map



The preferred route was selected based on engineering feasibility, land use, environmental impact, and public input. The determination of the preferred route evaluated technical requirements with community and environmental considerations.

Sunflower's portion will include about 180 miles from Holcomb, Kansas, to the Kansas-Colorado state line, approximately six miles south of US Highway 36.

We value your **input**
Tell us your thoughts



Project Website

sunflower.net/interconnection-guidelines/holcomb-sidney



Contact Us

Project Hotline: (785) 301-0070

Project Email: contact@holcombsidneyline.com

THANK YOU

