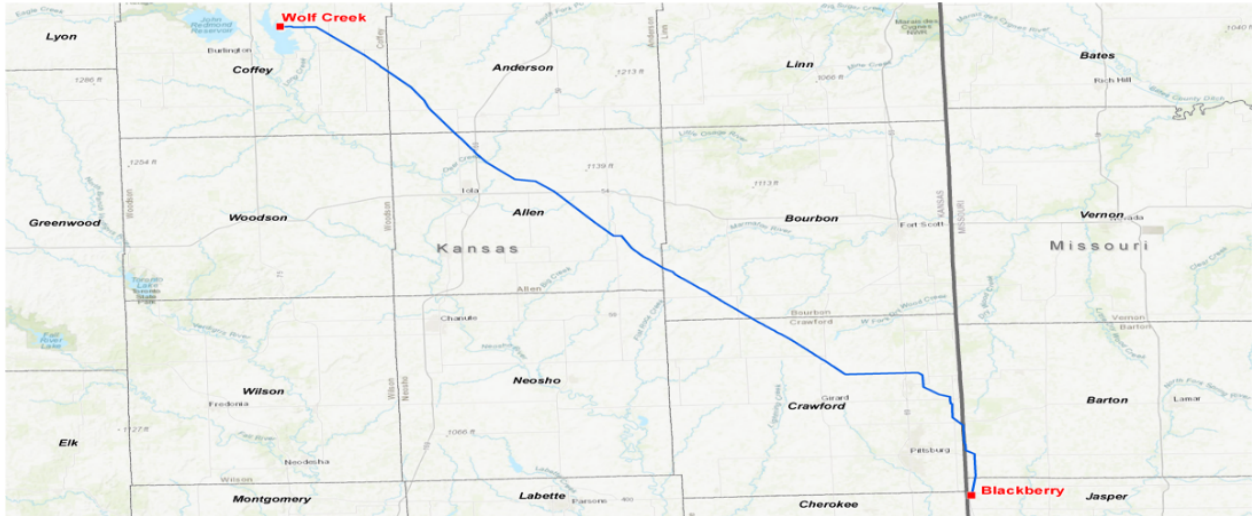


# **Schedule SN-3**

**\*\*Public\*\***

# Wolf Creek-Blackberry

A 345 kV Transmission Line Project



## Project Overview

In October 2021, NEET Southwest was awarded to construct a new approximately 94 circuit miles of 345 kV transmission facilities from the Wolf Creek substation in Coffey County, Kansas to the Blackberry substation in Jasper County, Missouri. NEET Southwest finances, develops, constructs, owns, operates and maintains the Wolf Creek-Blackberry 345-kilovolt (kV) transmission project. The project requires regulatory approval in both Kansas and Missouri. Assuming timely regulatory approvals, the project is expected to be in-service in January 2025, and NEET Southwest will become a transmission-owning member in SPP.

The project is part of the 2019 Integrated Transmission Plan approved by SPP in October 2019 to address the needs for a more reliable and cost-effective grid. This project will reduce congestion and provide market efficiencies and benefits to ratepayers.

[DOWNLOAD MAP](#)

## Virtual Open House

NEET Southwest hosted a virtual public meeting for the project on March 22nd, 2022.

[VIRTUAL OPEN HOUSE PRESENTATION >](#)

### Project Benefits

#### **Economic Development And Investment**

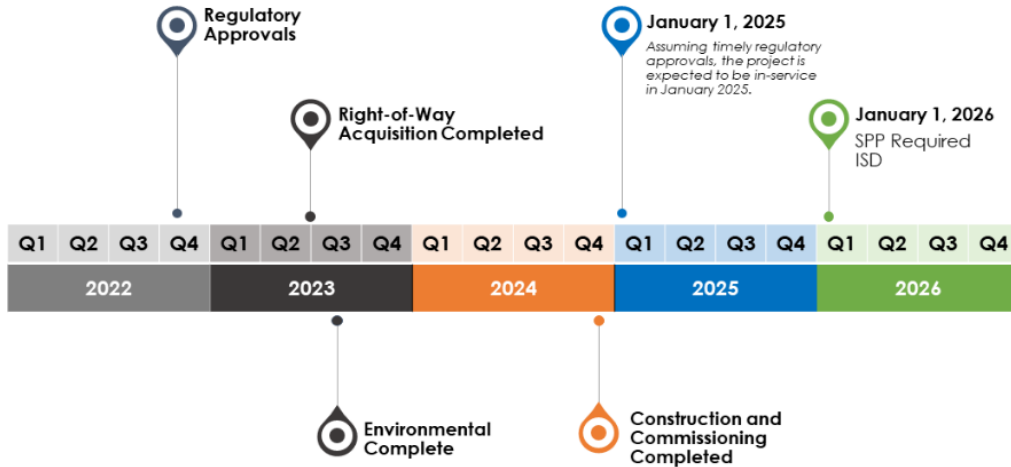
- Greater access to more affordable power in the region
- Expected to provide approximately \$23.7 million in congestion savings in its first year and additional \$377 million over the next 40 years
- Additional investment in the local economy during construction and the life of the project
- Ongoing collaboration and support of local businesses, contractors and community members

#### **Minimal Environmental And Visual Impact**

- Project is designed to provide most value to customers with safe, reliable and cost-effective components and materials
- Project will utilize monopole structures to minimize tree clearing and agricultural impacts

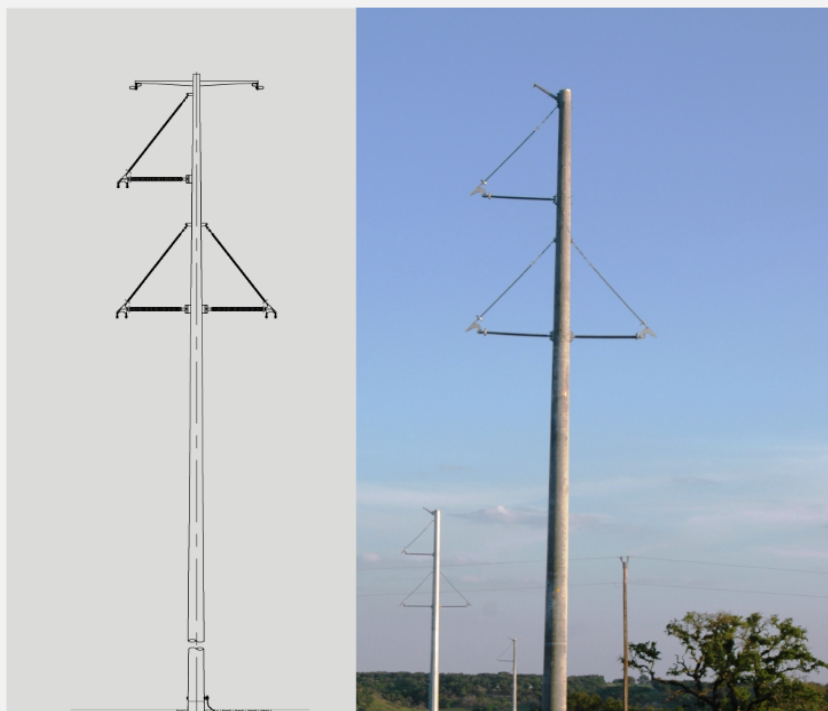
[DOWNLOAD FACT SHEET](#)

# Project Timeline



# Project Design

NEET Southwest’s design provides most value to customers with safe, reliable, and cost-effective components and materials.



# Frequently Asked Questions

Learn more about the Wolf Creek-Blackberry 345 kV Transmission Project.

## Who is NextEra Energy Transmission Southwest?

NextEra Energy Transmission Southwest, LLC (NEET Southwest), is a direct subsidiary of NextEra Energy Transmission, LLC (NEET), both members of the NextEra Energy, Inc. (NextEra Energy) family. NextEra Energy is a leading clean-energy company and one of America's largest infrastructure capital investors in any industry.

NEET Southwest is pursuing opportunities to finance, develop, build, own, operate and maintain new transmission facilities to address economic needs in the SPP region. NEET Southwest is committed to creating long-term relationships in the communities in which it works and believes that early engagement with project stakeholders is integral to a successful project. There will be several opportunities throughout the project for stakeholders to ask questions and provide comments to the project team.

## What is the Wolf Creek-Blackberry project?

Wolf Creek-Blackberry is an approximately 94 miles of 345 kV transmission line from the Wolf Creek substation in Coffey County in Kansas to the Blackberry substation in Jasper County, Missouri. Subject to receiving regulatory approvals, the project will have a proposed 150 foot easement width with typical above-ground transmission line structures of 125 feet tall. Final design details are not yet available and will be determined based on the results of technical studies (e.g., geotechnical, environmental) as the project progresses.

## What is the need for this project?

SPP plans all public utility transmission throughout the region. This project is part of the 2019 Integrated Transmission Plan that identified projects to address needs for a more reliable and cost-effective grid capable of enabling a rapidly changing generation mix and new technologies and was approved by the SPP in October 2019. The Wolf Creek-Blackberry Project is one of the projects proposed as part of this plan.

## What are the benefits of this project?

The Wolf Creek-Blackberry Project will facilitate the reliable delivery of lower-cost electricity generation. The Project will also create local employment opportunities during construction and operation of the line.

What governmental approvals will be required before you build? ▼

Federal, state and county-level permits and approvals will be required to support construction and operation of the line, including environmental and county permits. NEET Southwest also plans to seek a Certificate of Convenience and Necessity and line siting approval from the [Kansas Corporation Commission](#) and a Certificate of Public Convenience and Necessity from [Missouri Public Service Commission](#).

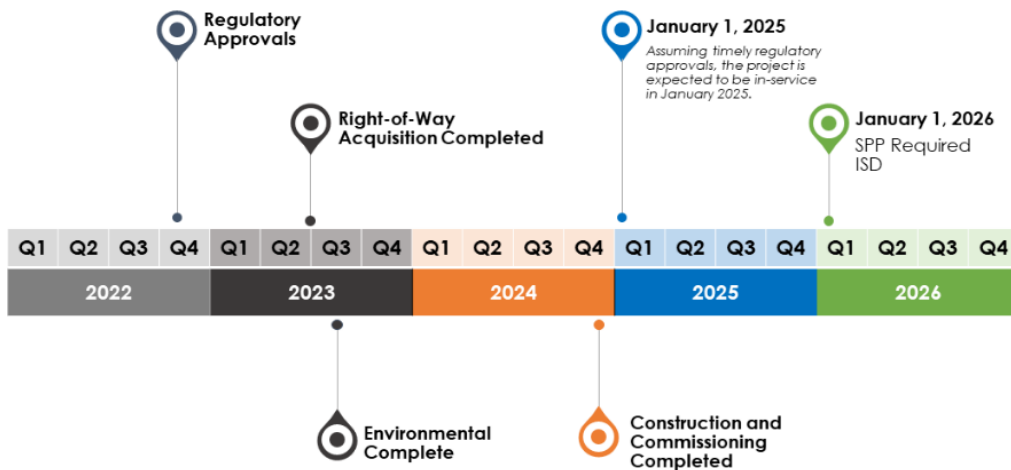
How do I get more information about these state approval processes? ▼

NEET Southwest will be hosting virtual public meetings for the project in March 2022. Register online and learn more about the project and the state approval process.

[Virtual Open House Registration](#)

What is the proposed timing for this project? ▼

NEET Southwest is targeting all regulatory approvals by end of 2022 and plans to start construction in 2023 in order to have the Wolf Creek to Blackberry transmission line in-service by 2025.



Have a question for our project team?

Call (620)205-2051 or [submit your question](#).



# Contact Us


NEET Southwest Transmission Project

## Let's Connect

Contact us at (620)205-2051 between business hours from 9am-5pm EST, email us at [neetsw@nexteraenergy.com](mailto:neetsw@nexteraenergy.com) or fill out the form below.

\*All fields required.

<input type="text" value="*Full Name"/>	<input type="text" value="*Project Name"/>
<input type="text" value="*Email"/>	<input type="text" value="*Comment"/>
<input type="text" value="*Phone Number"/>	

I'm not a robot  [Privacy](#) - [Terms](#)

**SUBMIT**

By clicking submit, you agree to be contacted by NextEra Energy Transmission Southwest at the email and/or phone number provided in an effort to respond to your inquiry.

[TERMS & CONDITIONS](#) | [PRIVACY POLICY](#) | [SAFETY POLICY](#) | [CAREERS](#) | [INVESTORS](#) | [NEWS](#)

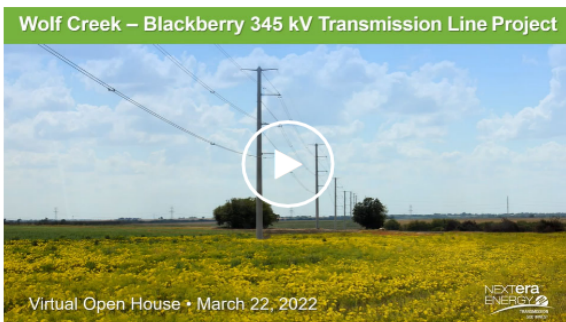
Copyright © 2022 NextEra Energy, Inc. All rights reserved.

# Virtual Open House Materials March 22, 2022

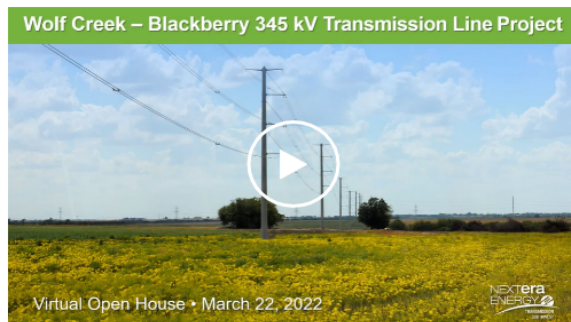
Wolf Creek-Blackberry Transmission Line Project

## Virtual Open House Recordings

Meeting Recording 10am-11am CT



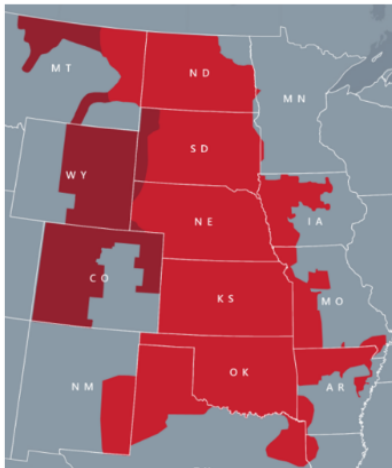
Meeting Recording 6pm-7pm CT



## Virtual Open House Presentation

Background - Project Need

### Background – Project Need



#### Southwest Power Pool (SPP)

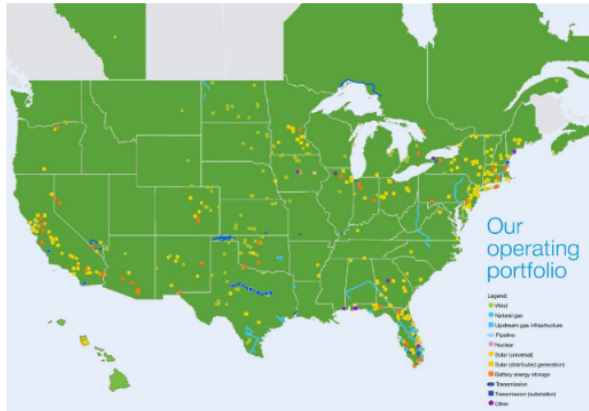
- A non-for-profit, regional transmission organization (RTO) mandated by the Federal Energy Regulatory Commission (FERC) to ensure safe, reliable and cost-effective transmission infrastructure in the central region of the country
- In 2019, SPP identified the need for this project in its annual Integrated Transmission Plan (ITP)
- In 2021, through a competitive solicitation process which included 7 qualified bids, SPP selected NextEra Energy Transmission Southwest (NEET Southwest) to design, finance, build, operate and maintain this project

For more information please visit: <https://www.spp.org/>



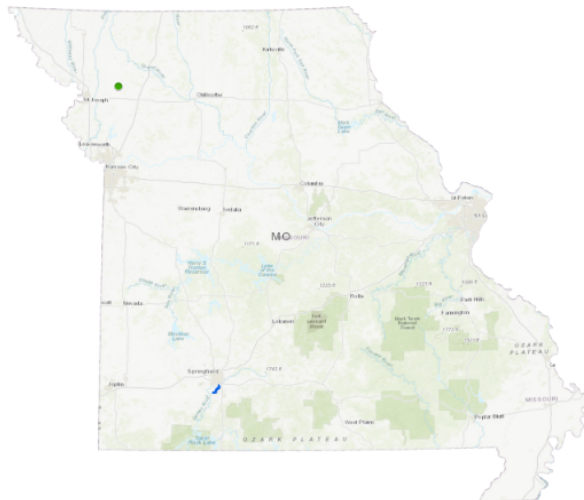
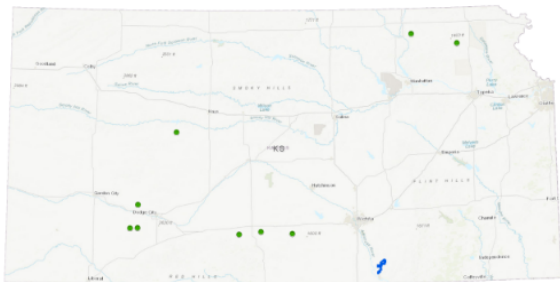
# Investing in America's Energy Infrastructure

NextEra Energy Inc. (NextEra) is a leading clean energy utility infrastructure company active across North America.



- ~55,300 MW generating capacity as of year-end 2021
- ~\$119 billion in infrastructure capital deployed since 2011
- ~81,500 miles of transmission and distribution lines
- ~15,000 employees as of year-end 2021
- 49 states with operations and development projects
- 4 provinces in Canada with operations and development projects

## Our Affiliates' Existing Assets in Kansas and Missouri



**Map Key:**

Green circle - NEER Wind

Blue line - NEET Transmission

**Existing Assets:**

- Approximately \$2.2 billion total capital investment
- Approximately \$10.8 million annual payroll
- \$7.9 million annual land payments
- \$5.9 million in property taxes, 2020\*
- Approximately 260 miles of transmission lines operating in Kansas and Missouri

\*Annual Property Taxes: Includes property tax and other indirect taxes. Internal data based on 2020 full year.

# Wolf Creek - Blackberry Project

## What Is The Project?

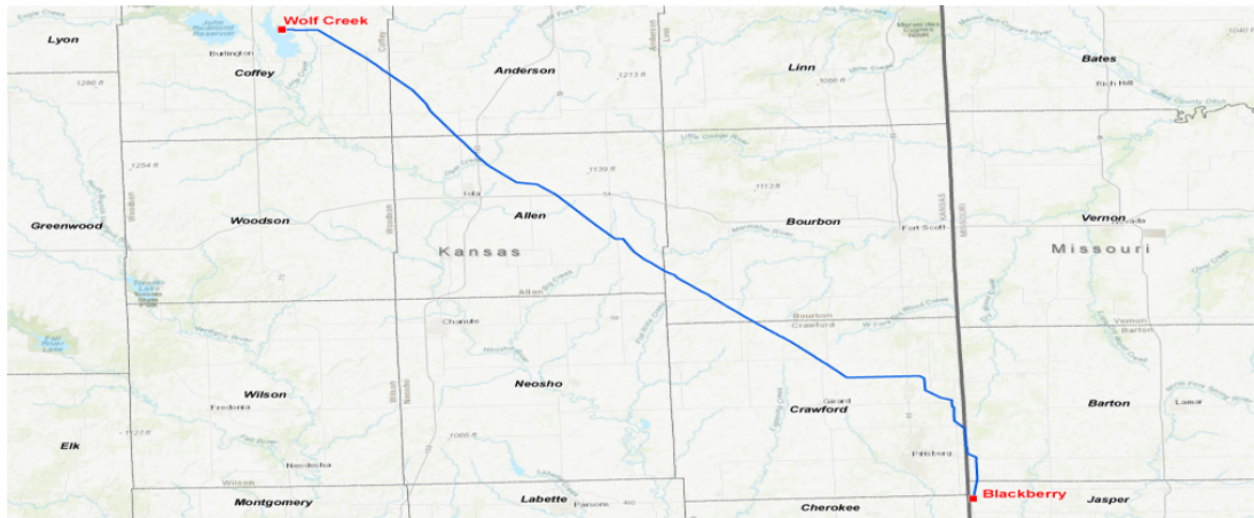
This project is a new 94-mile, 345 kilovolt (kV) regulated transmission line that runs from the Wolf Creek substation (Everg) in Kansas to the Blackberry substation (AECI) in Missouri.

## Why Is It Needed?

The Wolf Creek-Blackberry Project is part of SPP's 2019 Integrated Transmission Plan to address the needs for a more reliable and cost-effective grid. This project will reduce congestion and provide market efficiencies and benefits to customers.

## Where?

The project route traverses Coffey, Anderson, Allen, Bourbon and Crawford counties in Kansas, and Barton and Jasper counties in Missouri.



## Project Benefits

# Project Benefits

The Southwest Power Pool identified the Wolf Creek-Blackberry project as needed through its Integrated Transmission Planning Process in 2019 to provide more affordable power in the region.

- Expected to provide customers \$23.7 million in congestion savings in its first year and an additional \$377 million over the next 40 years
- Additional investment in the local economy during construction and the life of the project
- NEET Southwest is committed to using domestically-sourced materials, local vendors and workers as much as possible
- Estimated to provide over \$28 MM in tax revenue to Kansas and \$4 MM to Missouri over the next 40 years

## Routing Considerations

# Routing Considerations

## Socioeconomic, Landowners Impacts

- Most direct route possible; lower cost for customers
- Reducing greenfield routing impacts for landowners by paralleling or co-locating with existing transmission lines, roads, and property lines
- Maximizing distances from residences and public facilities
- Minimizing impacts to public airports (FAA) and Military Training Zones

## Environmental Impacts

- Minimizing impacts to forested wetland and known cultural and archeological resources
- Minimizing/avoiding protected or sensitive species and habitat impacts
- Minimizing impacts to federal, state-owned, and tribal lands

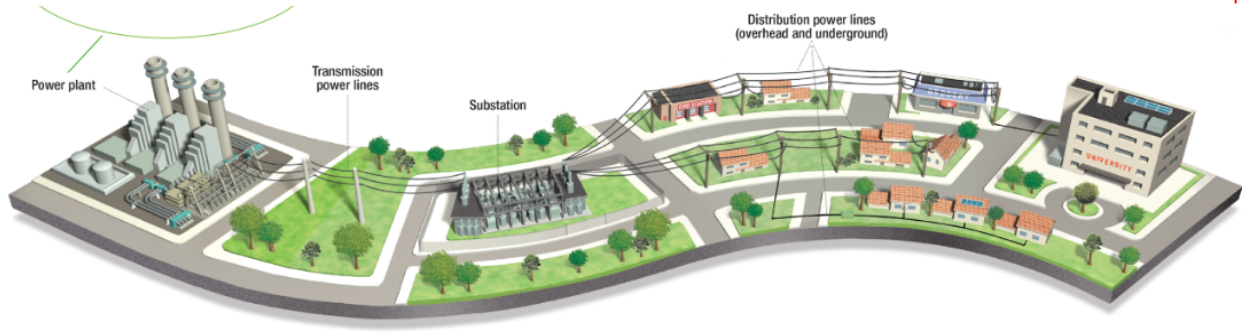
## Infrastructure Impacts

- Optimize clearances to existing structures, including bridges, culverts, oil and gas wells, transmission lines, telecom towers, and wind turbines

# The Electric System

Transmission is a critical component of the electric system.






Power is generated at the plant and this could be a nuclear power plant, solar site, or wind farm. It is transmitted via the transmission power lines to the substation, where high voltage power is stepped down to a lower voltage. This lower voltage power is then distributed over distribution power lines to neighborhoods, businesses, and residences and ultimately into your homes.

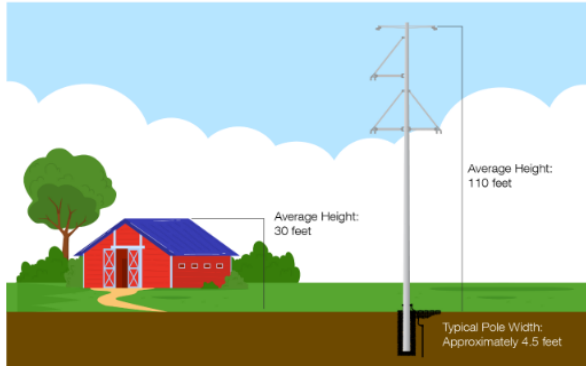
Engineering Design and Construction Activities



Engineering Design and Construction Activities 

## Engineering Design

The project was designed to use safe, reliable and cost-effective materials.



### 1 Conductor

Twin-Bundled 1590 kcmil “Falcon” ACSS/TW HS conductor will be installed, exceeding SPP minimum capacity requirements to reduce loss throughout the line and offer excellent structural reliability.

### 2 Structures

Steel and spun concrete monopole structures will be installed, allowing minimal visual impact on the environment given their slim profile while exceeding structural reliability and durability requirements. The average above ground pole height will be 110 feet, the average span length will be 900 feet, and the right-of-way width will be 150’, which is typical for 345-kV transmission lines.

### 3 Insulators

Braced post insulator assemblies will be installed in a delta configuration on the pole to support the conductor wires.

### 4 OPGW

Optical Ground Wire (OPGW) will provide the best possible protection for optical fibers, reliable lightning shielding, excellent corrosion performance, and will exceed the required fault current carrying capacity.

### 5 Foundation

Typical foundations installed will include direct embedded poles with crushed rock or unreinforced concrete backfill with an average pole diameter of 4.5 feet at the groundline. Angle structures will also be direct embedded poles supported by guy wires. Self-supporting structures placed on drilled shaft foundations will be installed at select locations to support line crossings and other constraints.

---

## Construction Activities

With Safety at the Forefront of Everything We Do, NEET Southwest Will:

- Construct the line with qualified, insured, experienced contractors with proven safety records and that use protocols to help prevent the spread of COVID-19
- Require its contractors to minimize disturbances, protect landowners and their property

### Activities That Will Happen Along the Project's Right-of-Way (ROW):

- Meet with landowners to address issues and questions
- Clear ROW for construction access
- Install new foundations, poles and wires
- Clean up and restore the ROW as close to original condition as possible

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Right-Of-Way Easements





Right-Of-Way Easements

# Right-of-Way Easements

## Working with Landowners

NEET Southwest is securing options for easements from landowners whose land will be crossed by the transmission line. Following regulatory approvals of the project, NEET Southwest will finalize the purchase of the easements.

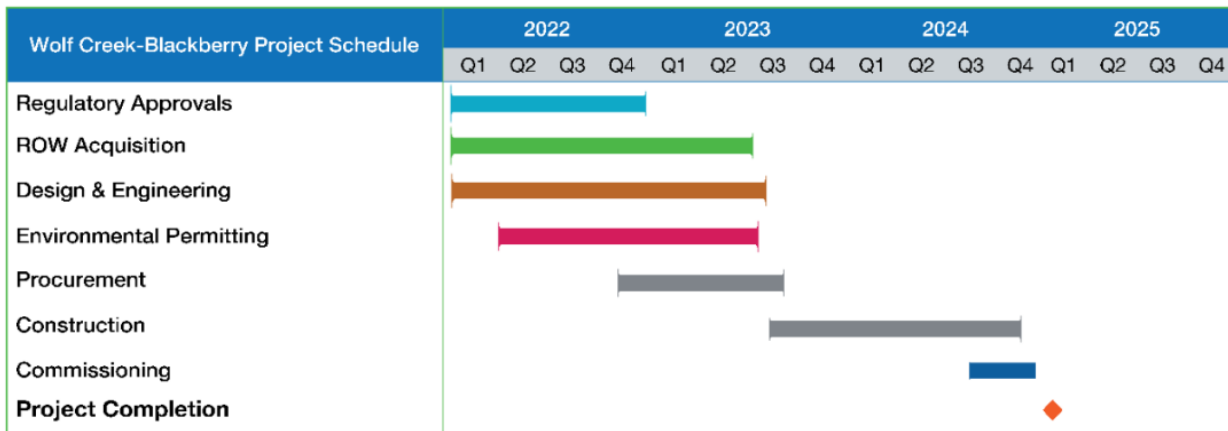
Crews and contractors may access the rights of way to conduct the following activities while the project approval process is underway:

- Surveying
- Cultural and natural resources assessments
- Wetlands delineations
- Soils testing

NEET Southwest will work with landowners on an ongoing basis throughout the construction, clean up phase of the project, and beyond.

Project Timeline

# Project Timeline



- Regulatory Approvals:** 2022 Q1-Q4
- ROW Acquisition:** 2022 Q1-2023 Q2
- Design and Engineering:** 2022 Q1-2023 Q3
- Environmental Permitting:** 2022 Q2-2023 Q2
- Procurement:** 2022 Q4-2023 Q3
- Construction:** 2023 Q3-2024 Q4
- Commissioning:** 2024 Q3-2024 Q4
- Project In-Service:** 2025 Q1

Note: Subject to Regulatory approvals.

Operations and Maintenance

## Operations and Maintenance

NEET Southwest focuses on reliability and safety standards for operating transmission assets.

To do this, NEET Southwest:

- Monitors system on a 24-hour basis from its state-of-the-art operations control center
- Performs regular, preventative, time-based inspections
- Makes timely repairs when needed
- Monitors and removes vegetation in ROW to help ensure the safe and reliable operation of the transmission line
- Supports by 70 technical staff in locations near the Project and one location within 30-minute drive from the Project mid-point

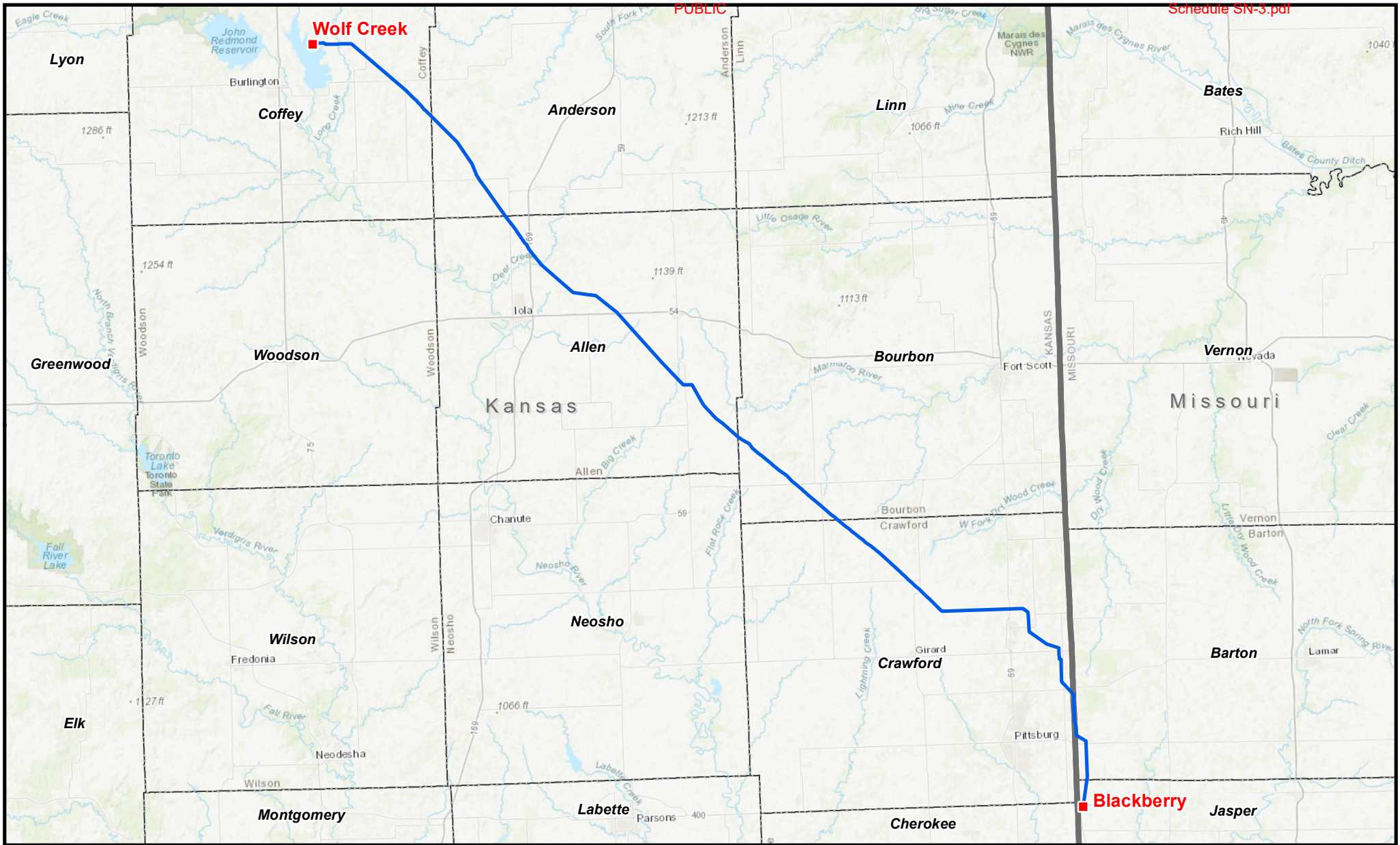
NEET Southwest provides landowners notice before accessing the ROW to perform scheduled maintenance. In the unlikely event of an emergency, NEET Southwest will immediately deploy local crews to ensure safety and resolve any issues.

---

Have a question for our project team?

Call (620)205-2051 or [submit your question](#).





- Project Substation
- Wolf Creek to Blackberry Proposed Route
- County Boundary
- State Boundary

## NEET Southwest Wolf Creek to Blackberry 345kV Transmission Line

0 5 10 PUBLIC 15 20 25 Miles

N

**NEXTera**<sup>TM</sup>  
**ENERGY**

TRANSMISSION  
SOUTHWEST  
Page 17 of 19



# Meeting the Transmission Needs for the Region



## An Experienced Partner

NextEra Energy Transmission, LLC (NEET) is a leading competitive transmission company in North America. The company and its parent, NextEra Energy, Inc. (NextEra Energy), have a successful track record of working with local communities and regulators to build and operate complex transmission projects across North America.

On October 27, 2021, NextEra Energy Transmission Southwest, LLC (NEET Southwest) a subsidiary of NEET, was awarded the Wolf Creek-Blackberry transmission project by Southwest Power Pool (SPP).

## Project Overview

- » **Developer:** NEET Southwest to finance, develop, construct, own, operate and maintain the Wolf Creek-Blackberry 345-kilovolt (kV) transmission project.
- » **Project:** Construct approximately 94 miles of new 345 kV transmission line that will run from Wolf Creek substation in Coffey County, Kansas to the Blackberry substation in Jasper County, Missouri.
- » **Construction:** The project requires regulatory approval in both Kansas and Missouri. Assuming timely regulatory approvals, the project is expected to be in-service in January 2025.

## About NextEra Energy Transmission

- » A leading competitive transmission company, which develops, finances, constructs and operates transmission assets across North America.
- » Affiliated with Florida Power & Light, America's largest electric utility, and NextEra Energy Resources, the world's largest generator of renewable energy from the wind and sun and a world leader in battery storage.
- » Current assets include: operating transmission facilities in California, Indiana, Texas, New Hampshire, Nevada, Illinois, Kentucky, Missouri, Kansas and Oklahoma; a project under construction in Ontario, Canada and New York as well as numerous other projects in development throughout the United States.

### Benefits of NextEra Energy's energy investments in Kansas and Missouri

Approximately  
**\$2.2 billion**  
total capital investment



Approximately  
**\$10.8 million**  
annual payroll



**\$7.9 million**  
annual land payments

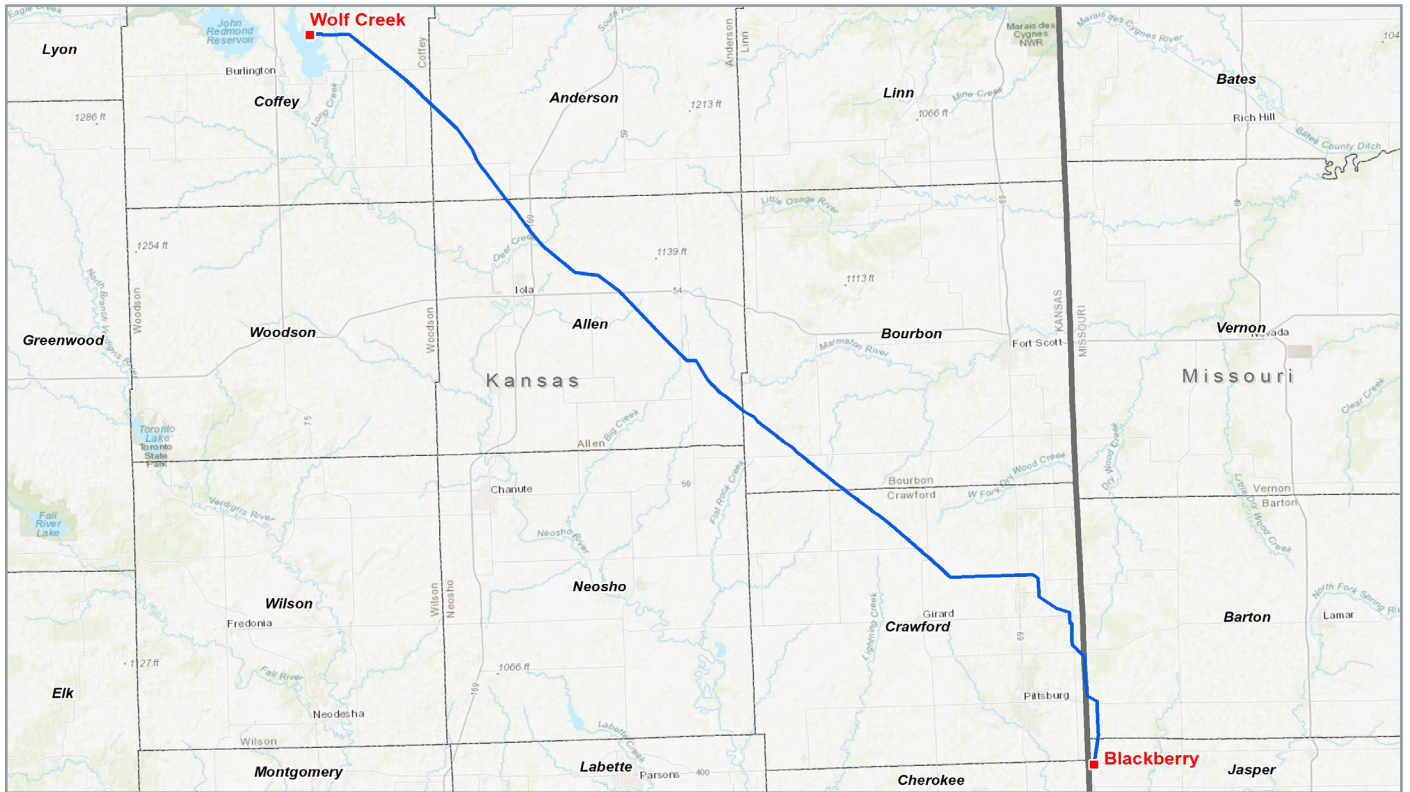


**\$5.9 million**  
in property taxes, 2020\*

\* Annual Property Taxes: Includes property tax and other indirect taxes. Internal data based on 2020 full year.



Approximately  
**247 miles**  
of transmission lines operating  
in Kansas and Missouri



## Project Benefits

- » **Economic Development And Investment**
  - Greater access to more affordable power in the region
  - Expected to provide approximately \$23.7 million in congestion savings in its first year and additional \$377 million over the next 40 years
  - Additional investment in the local economy during construction and the life of the project
  - Ongoing collaboration and support of local businesses, contractors and community members
- » **Minimal Environmental And Visual Impact**
  - Project is designed to provide most value to customers with safe, reliable and cost-effective components and materials
  - Project will utilize monopole structures to minimize tree clearing and agricultural impacts

## Regulatory Oversight and Permitting



- » NEET Southwest plans to file its application for a Certificate of Convenience and Necessity (CCN) Application with Kansas Corporation Commission (KCC) in February 2022 and the Missouri Public Service Commission (MPSC) in April 2022
- » NEET Southwest plans to file its Siting Application at the KCC in the second quarter of 2022, with statutory deadlines in Kansas running through approximately August 2022
- » It is NEET Southwest’s goal to diligently work with the KCC and MPSC during the CCN review and approval process
- » Assuming timely regulatory approvals, NEET Southwest’s planned early in-service date of January 1, 2025, which represents an estimated \$14.5 MM of additional Adjusted Production Cost (APC) savings to SPP customers