Nebraska Public Power District

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# Welcome

## Holt County–Antelope 345kV Transmission Line Project

Public Open House
March 2026

# Who We Are

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Nebraska Public Power District (NPPD) is the state's largest electric generating utility and has been providing dependable and affordable electricity for more than half a century. NPPD currently serves all or parts of 84 of the state's 93 counties.

- Governed by an elected 11-member Board of Directors
- Serves both retail and wholesale customers
- More than 62% of Nebraska customer-generation resources are carbon-free
- Uses a diverse mix of generation resources, including:


Coal


Wind


Nuclear


Diesel/other


Hydroelectric


Solar

# The Path of Electricity

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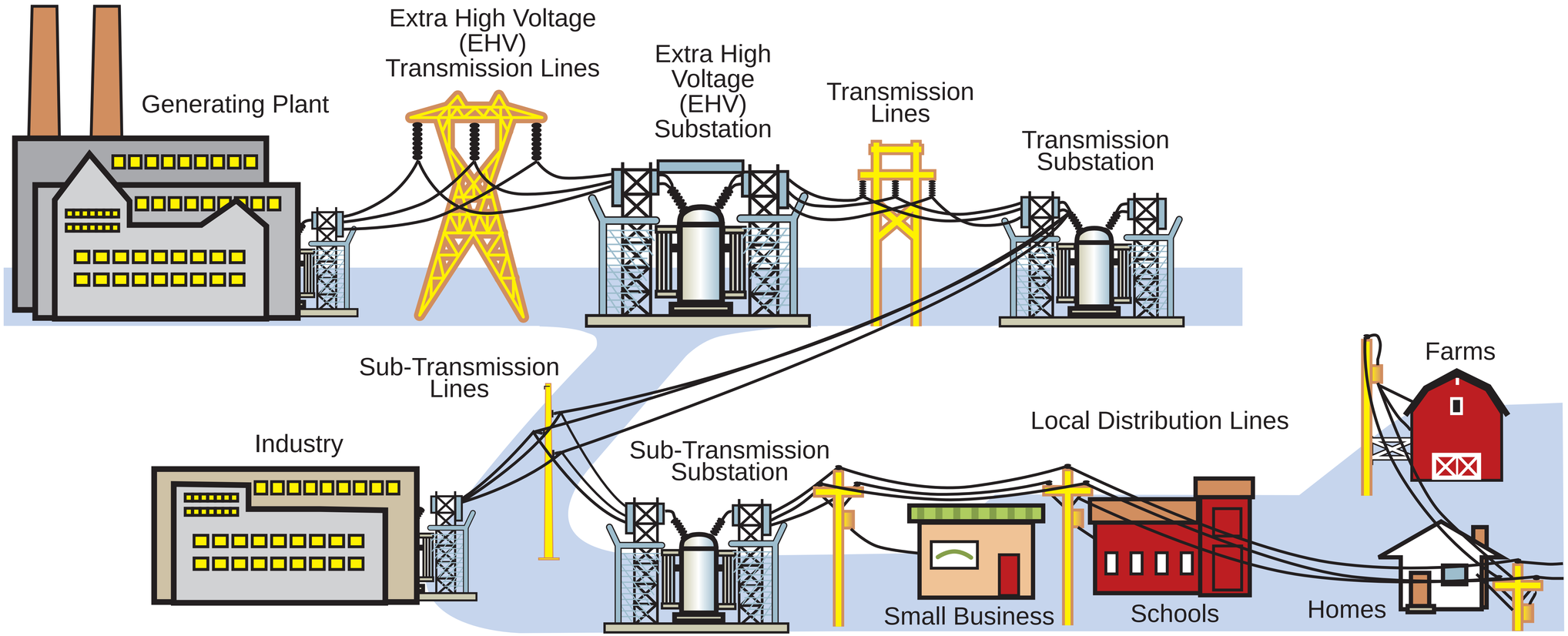
From the power plant, electricity is delivered through a series of lines and substations where the voltage is reduced to the proper level for end-use customers.



# Southwest Power Pool

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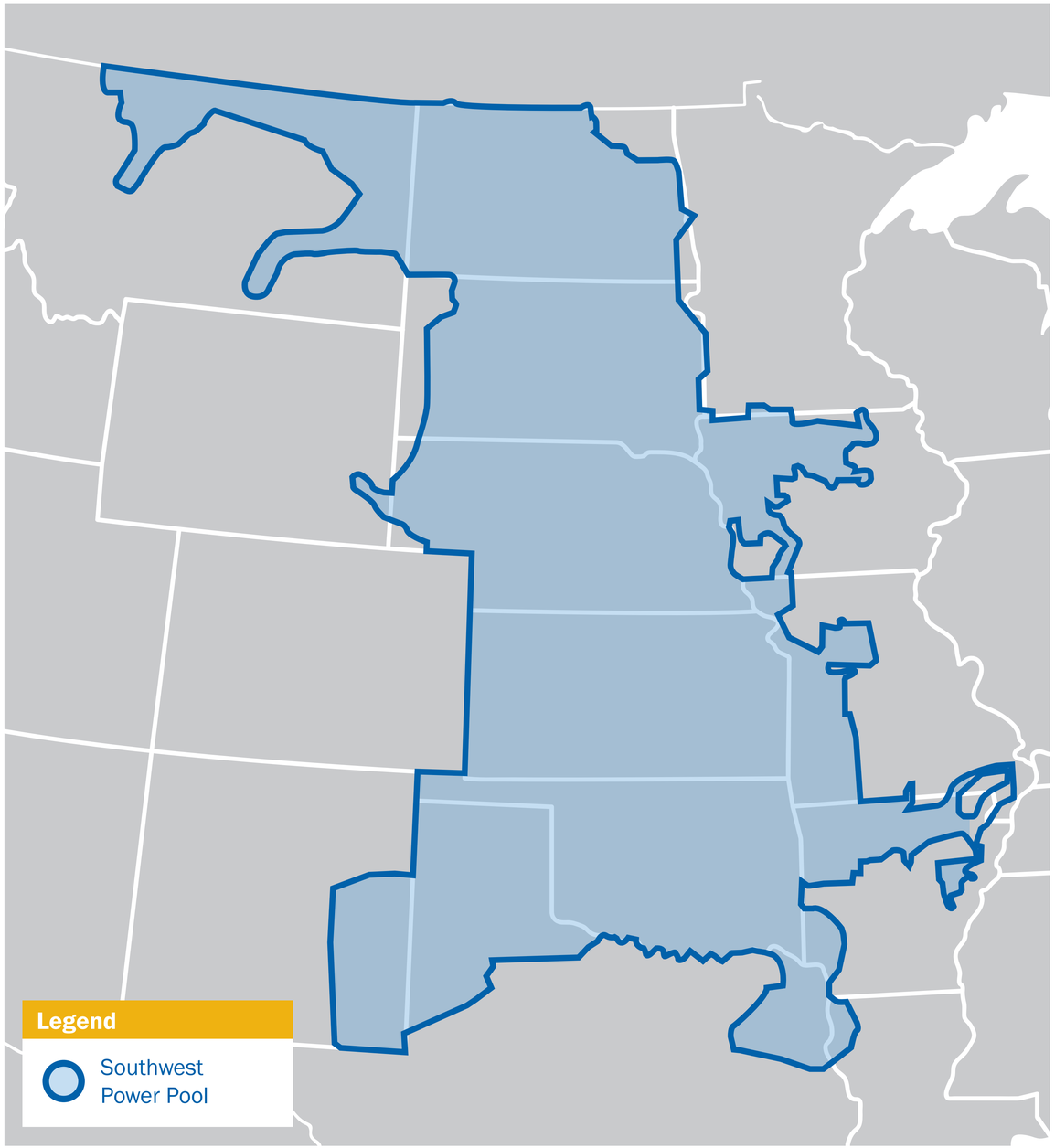
NPPD has been a member of the Southwest Power Pool (SPP) since April 2009. The SPP's primary focus is to ensure reliable power supplies, adequate transmission infrastructure, and competitive wholesale electricity prices.

This project will help strengthen the SPP electric system and to accommodate current and project future loads.



# Purpose and Need

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NPPD plans to build approximately 27 miles of 345,000-volt (345-kilovolt [kV]) transmission line to accommodate current and projected future loads and provide additional reliability and enhanced resiliency in the north central Nebraska area.

The project:

- Provides enhanced reliability and resiliency for NPPD customers
- Provides for a high-capacity feed into the central Nebraska area to serve the future projected load levels in the area
- Reduces congestion to support existing and future generation resources in this area
- Meets the projected reliability needs identified in the Southwest Power Pool Integrated Transmission Plan
- Holt County-Antelope 345kV project is the lowest cost and most effective transmission alternative to meet the North American Electric Reliability Corporation (NERC) reliability standards in this area

# Routing, Siting, and Public Involvement

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NPPD uses a thorough and comprehensive public involvement process when siting new transmission lines. Routing a line requires balancing a variety of factors – from proximity to homes, towns, and community amenities to land use, environmental concerns, and construction challenges. When planning new transmission lines, we must consider the most suitable location for the line to be built.

While the shortest, most direct path might seem best, that is not always the case. Public input plays a key role in this process. Routes for a transmission project are typically developed over the course of multiple phases and are then narrowed down to a final route.

## PHASE 1

- Identify study area
- Host Public Open House 1

## PHASE 2

- Determine preferred and alternative routes using input from the public and considering constraints
- Host Public Open House 2

## PHASE 3

- Determine proposed route using input from the public and considering constraints
- Host Public Hearing
- Announce final line route not earlier that 30 days after the Public Hearing

# Project Schedule

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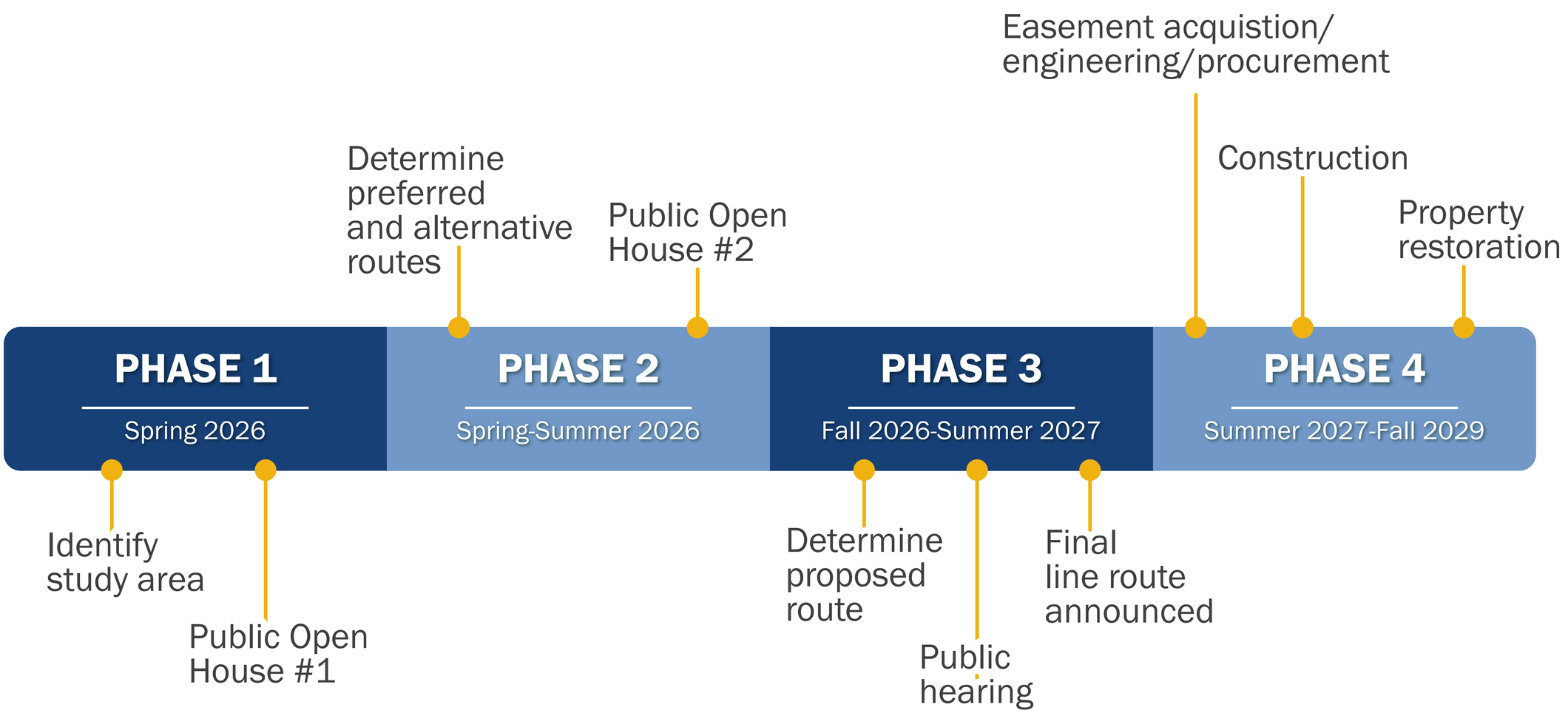

# Holt County–Antelope Study Area

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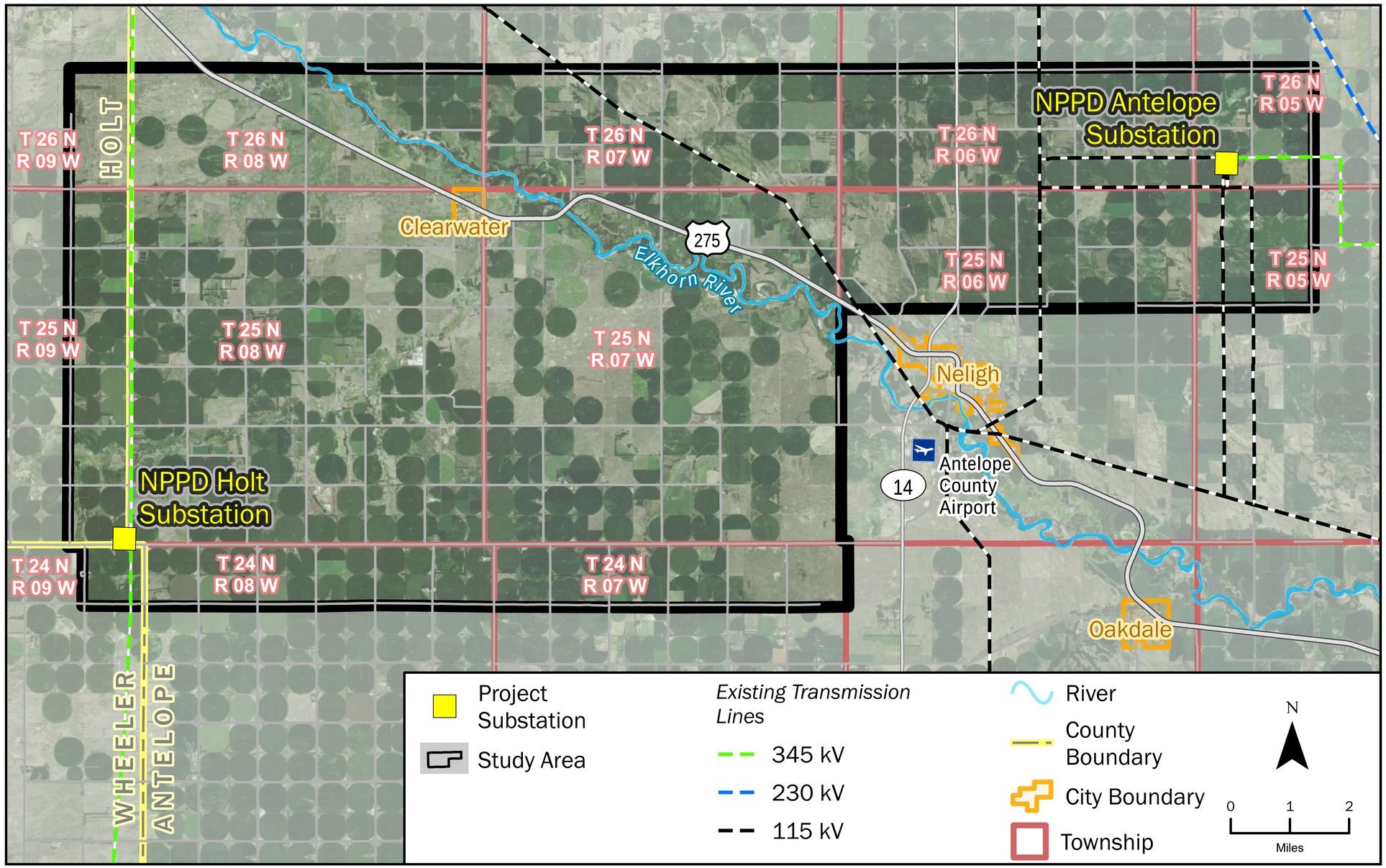

# Routing Study Process

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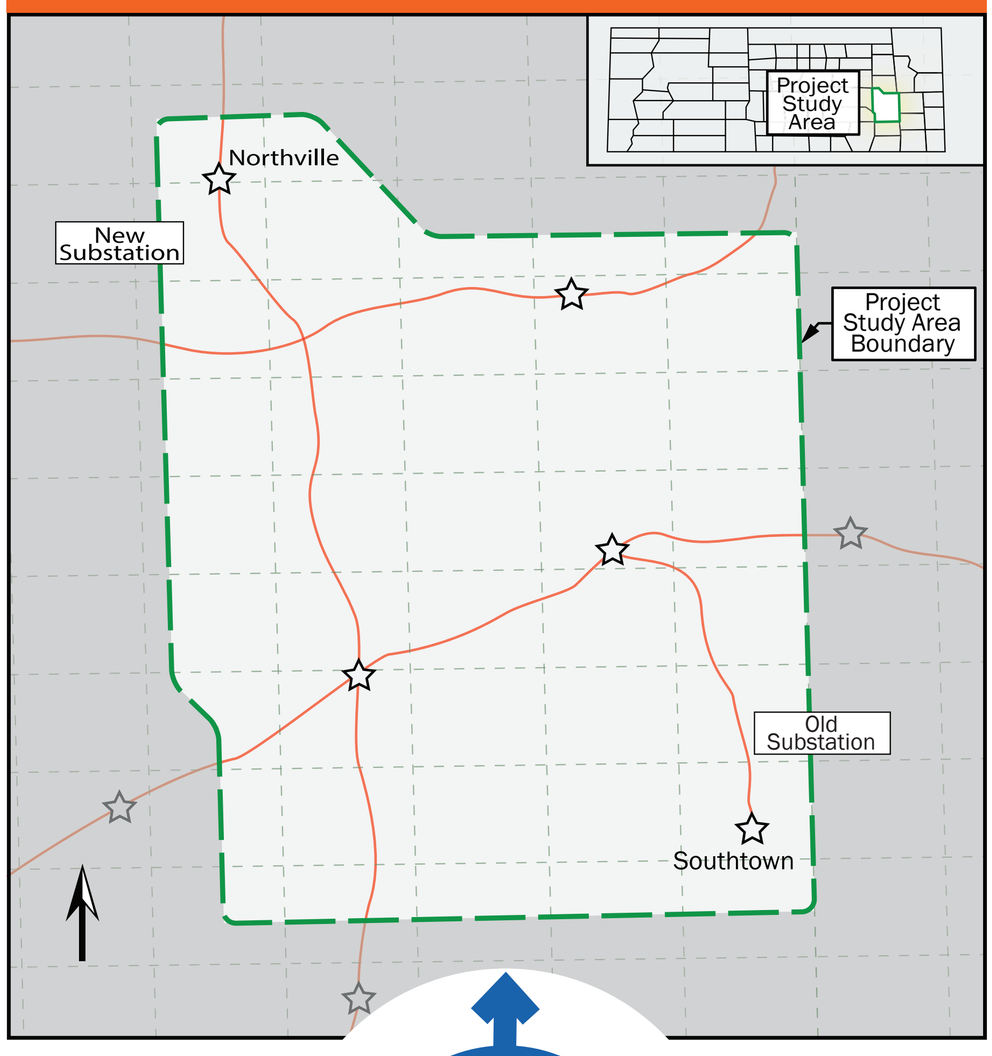
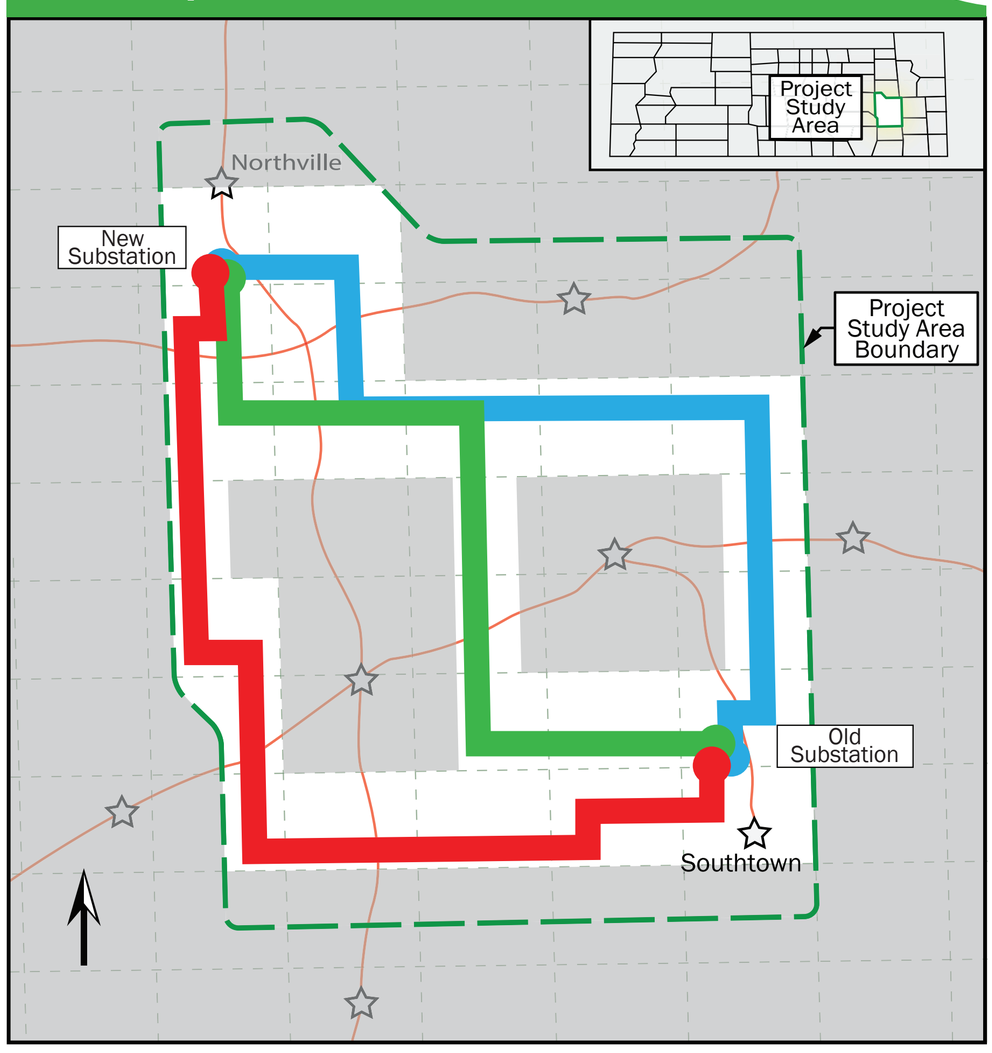
YOU ARE HERE

## 1. Example of a Study Area

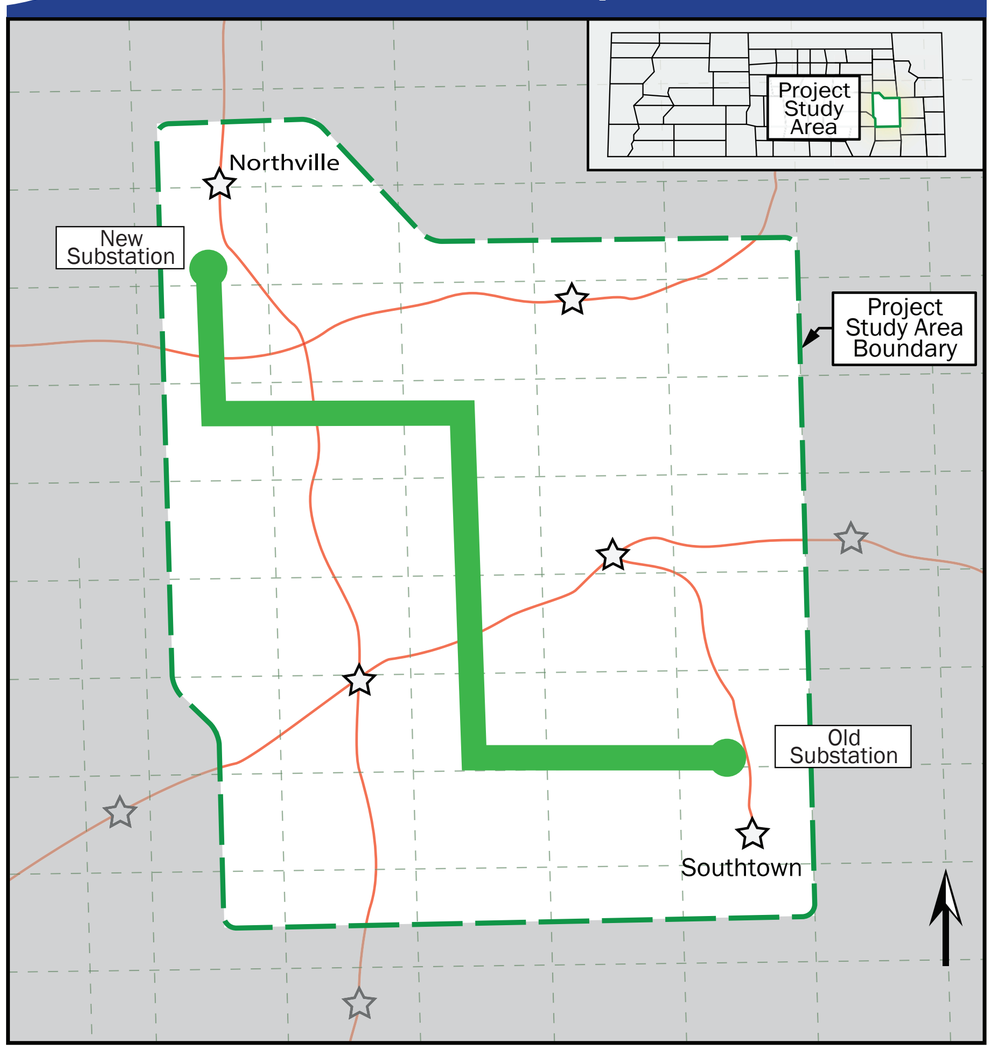



PUBLIC INPUT

## 2. Example of Alternative Routes




## 3. Example of a Final Route



# Routing and Siting Evaluation Criteria

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Transmission line routing involves trade-offs among a variety of factors called routing criteria. The most promising route options balance each of the three types of criteria, which are social, environmental, and engineering.

## Social

- Businesses
- Cemeteries
- Commercial/ Industry
- New/Plotted Developments
- Residences/ Homes
- Places of Worship
- Agriculture
- Schools
- Parks & Recreation

## Environmental

- Floodplains
- Wooded Areas
- Wetlands/ Waterways
- Conservation Areas
- Federal & State Lands
- Historic & Archaeological Sites
- Threatened & Endangered Species

## Engineering

- Airports
- Railroads
- Irrigation/ Pivots
- Wells
- Existing Infrastructure
- Site Topography
- Constructability
- Highways
- Structures (other)
- Existing/Planned Utilities
- Cost

# Environmental Resources

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## Environmental resources are evaluated as part of the route selection process and may include:

- Agricultural lands
- Recreational areas
- Water resources (lakes, streams, wetlands, and floodplains)
- Wildlife habitat areas
- Sensitive, threatened and endangered species
- Cultural and historical resources
- Visual resources

## NPPD coordinates with federal/state/local agencies and organizations such as:

- Federal Aviation Administration
- U.S. Fish and Wildlife Service
- U.S. Army Corps of Engineers
- Nebraska Department of Water, Energy, and Environment
- Nebraska Game and Parks Commission
- Nebraska Department of Transportation
- Natural Resources Districts
- Nebraska State Historical Society
- Local Airport Authorities
- Private Non-Government Organizations

# Transmission Line Structure

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NPPD plans to use a steel single-pole structure for this project.

- 345kV Single-pole steel structure

**SINGLE POLE**

# Typical Right-of-Way Width

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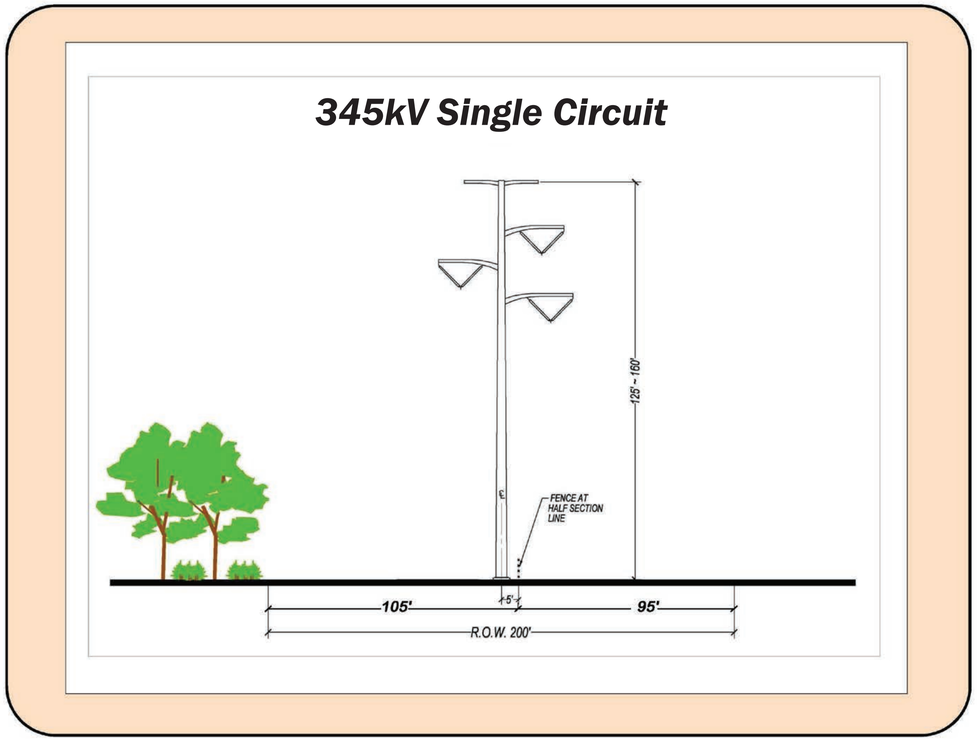


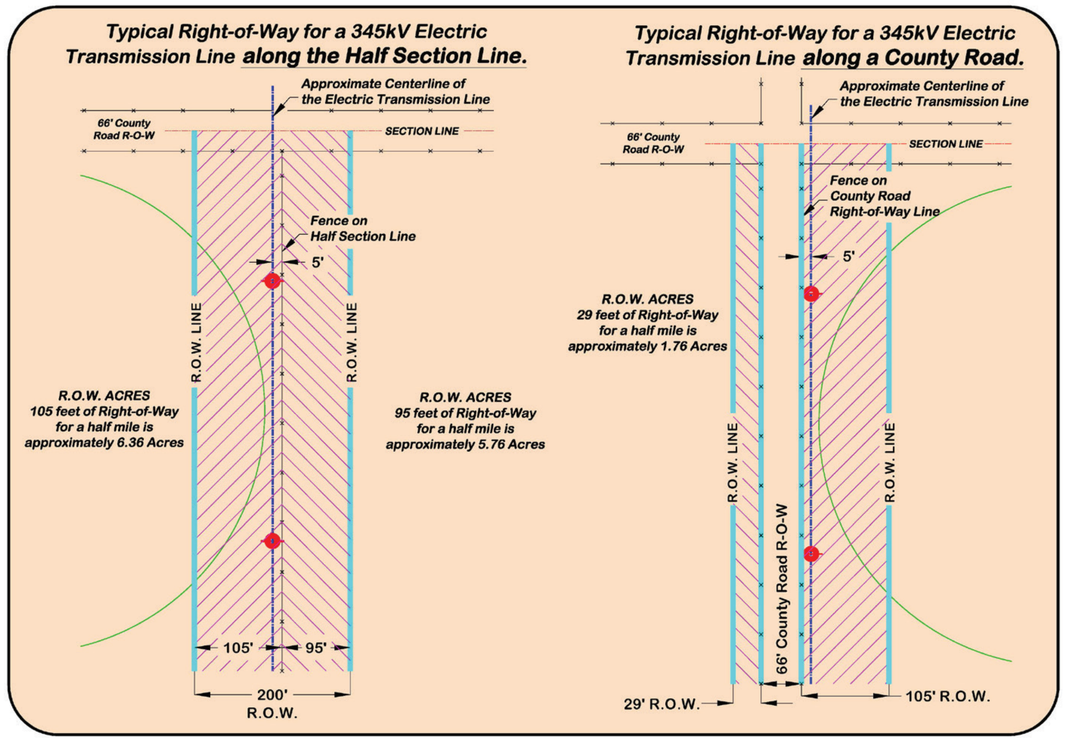


## Typical examples of the right-of-way required for a 345kV electric transmission line

*Height of structure and right-of-way (R.O.W.) width can vary based on special circumstances.*

# Typical Structure Locations

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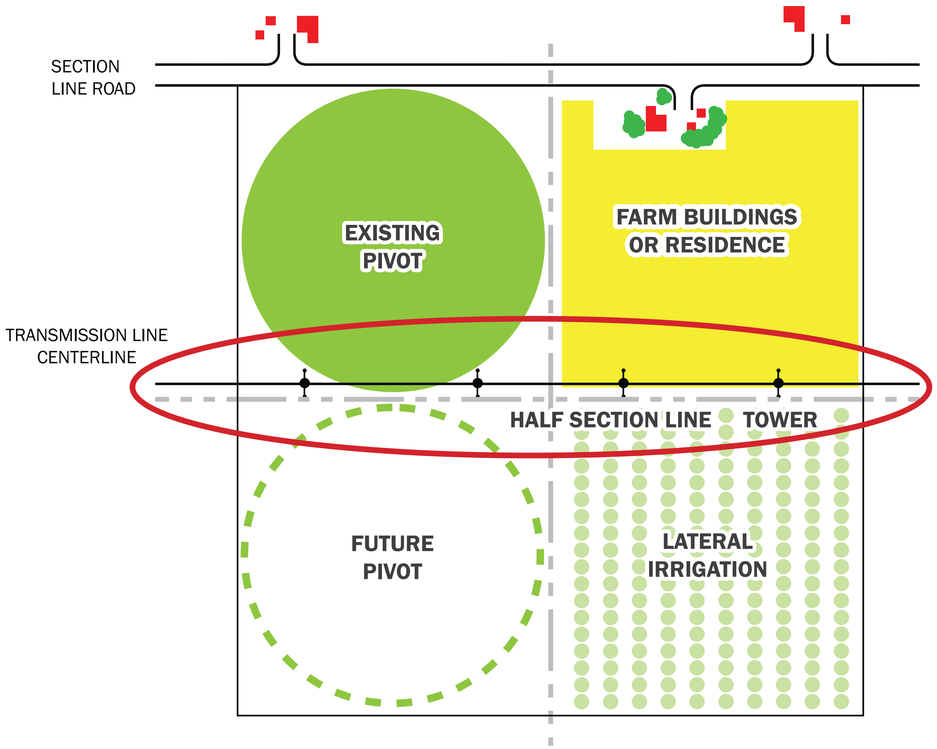
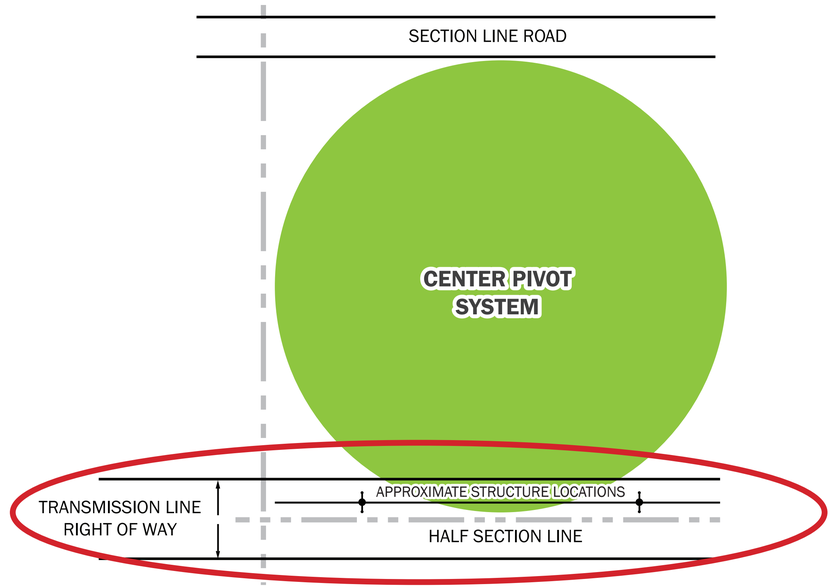



Location of line along half section maximizes avoidance of homes and farm buildings located along typical section line roads.

Structure design and location provides free movement of existing pivot system.



# Building Relationships

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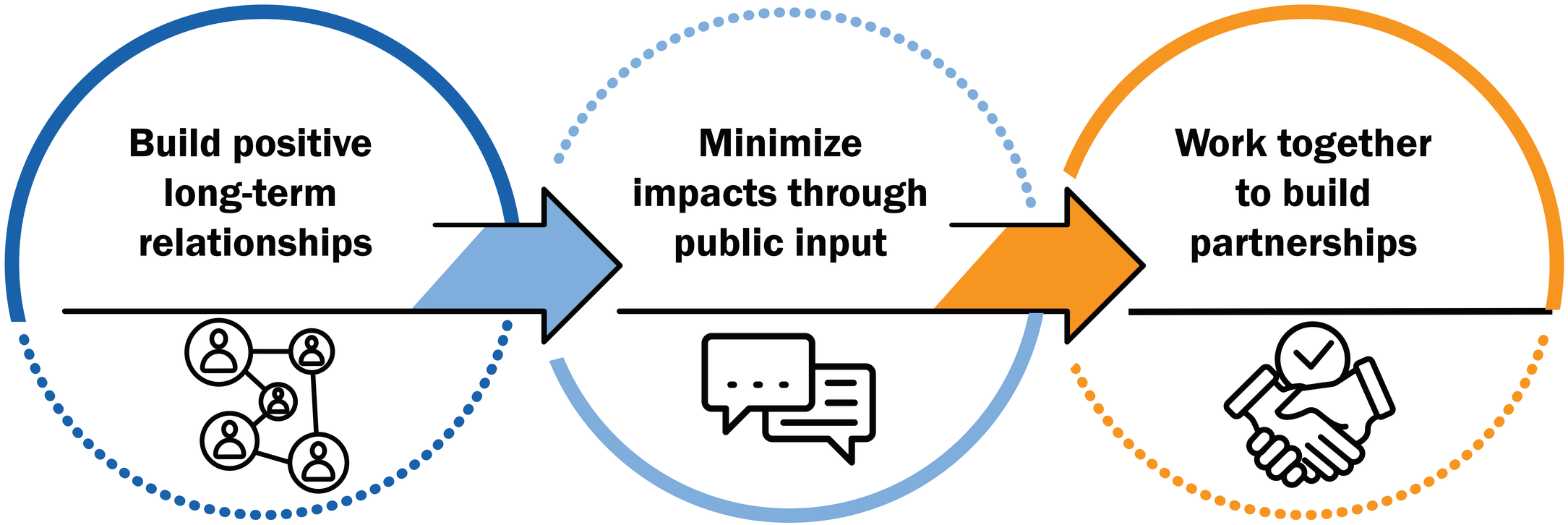

# Right-of-Way Activities

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We strive to build positive, long-term relationships with landowners and tenants during right-of-way activities.

## Right-of-Entry Agreement – if needed, will provide access for:

- Environmental assessments
- Appraisal work
- Survey activities
- Cultural and historical resource assessments

## Easement Acquisition:

- Compensation
- Terms and conditions
- Right-of-way width

## Post Construction:

- Construction damage compensation
- Property restoration

# Easement Compensation

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## Determination of land value

### Land Market Valuations

- Independent appraisers will conduct real estate market study and analysis
- Market study will be focused on the area of the proposed line route
- Market study and analysis based on comparable sales and the highest and best use of property
- Each parcel will be viewed and its value determined

### Easement Compensation

After land valuations are completed, and prior to actual negotiations, NPPD will establish easement payment amounts for each parcel based on:

- Land valuation
- Limited rights obtained by NPPD
- Impacts on structures on farming or land operations
- Any other special considerations

**Based on past NPPD projects, a payment in the range of 80% of market value of the land area within the boundaries of the right-of-way is customary.**

# Easement Compensation

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## Easement Compensation

- 80% of the fee value of the easement area.

## Structure Payment

- Single Pole - Payment equal to the fee of ½ acre of property per structure

Payment for any special consideration on a case-by-case basis.

## Construction Damages

In addition to the easement payment, the property owner or tenant will be compensated for any damages to crops, fences or other property that may occur during construction or when maintenance is required in the future.

# Input Needed!

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Help us identify constraints and opportunities regarding:

- Residences
- Grain bins and outbuildings
- Planned (permitted) housing units
- Platted subdivisions
- Well locations
- Gravity flow irrigation and flow direction
- Terraces and drain tiles
- Planned pivots and water permits
- Underground facilities
- Future land use
- Cemeteries, churches, and schools
- Commercial and industrial development
- Communication towers
- Cultural and historic resources
- Environmental areas

What should we know about your property?

# Stay Involved

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Thank you for attending! You can stay involved with the Holt County–Antelope 345kV Transmission Line Project by following project news in NPPD newsletters, newspapers, and on social media, or by visiting our website at **nppd.com/HoltCounty-Antelope**

**1-888-677-3412**

**@nebraskapublicpowerdistrict**

**nppd.com/HoltCounty-Antelope**

**@nebraska_public_power**

**@NPPDTV**

**@NPPDnews**

# Criteria Prioritization Exercise

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Instructions: You have a total of three dot stickers. Please place them in the box(es) next to the criteria you believe should be prioritized as we determine the route for this transmission line.

| |
|---|
| **Businesses** |
| **Cemeteries** |
| **Commercial/Industry** |
| **New/Plotted Developments** |
| **Residences/Homes** |
| **Places of Worship** |
| **Agriculture** |
| **Schools** |
| **Parks & Recreation** |
| **Floodplains** |
| **Wooded Areas** |
| **Wetlands/Waterways** |
| **Conservation Areas** |
| **Federal & State Lands** |
| **Historic & Archaeological Sites** |
| **Threatened & Endangered Species** |
| **Airports** |
| **Railroads** |
| **Irrigation/Pivots** |
| **Wells** |
| **Existing Infrastructure** |
| **Site Topography** |
| **Constructability** |
| **Highways** |
| **Structures (other)** |
| **Existing/Planned Utilities** |
| **Cost** |