Welcome

Kearney Power Project
Open House Meeting

September 2022

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Who We Are

Nebraska Public Power District 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
- Over 62% of Nebraska customer-generation resources are carbon-free
- Utilizes a diverse mix of generation resources including:


Coal


Wind


Nuclear


Diesel/other


Hydroelectric

Solar

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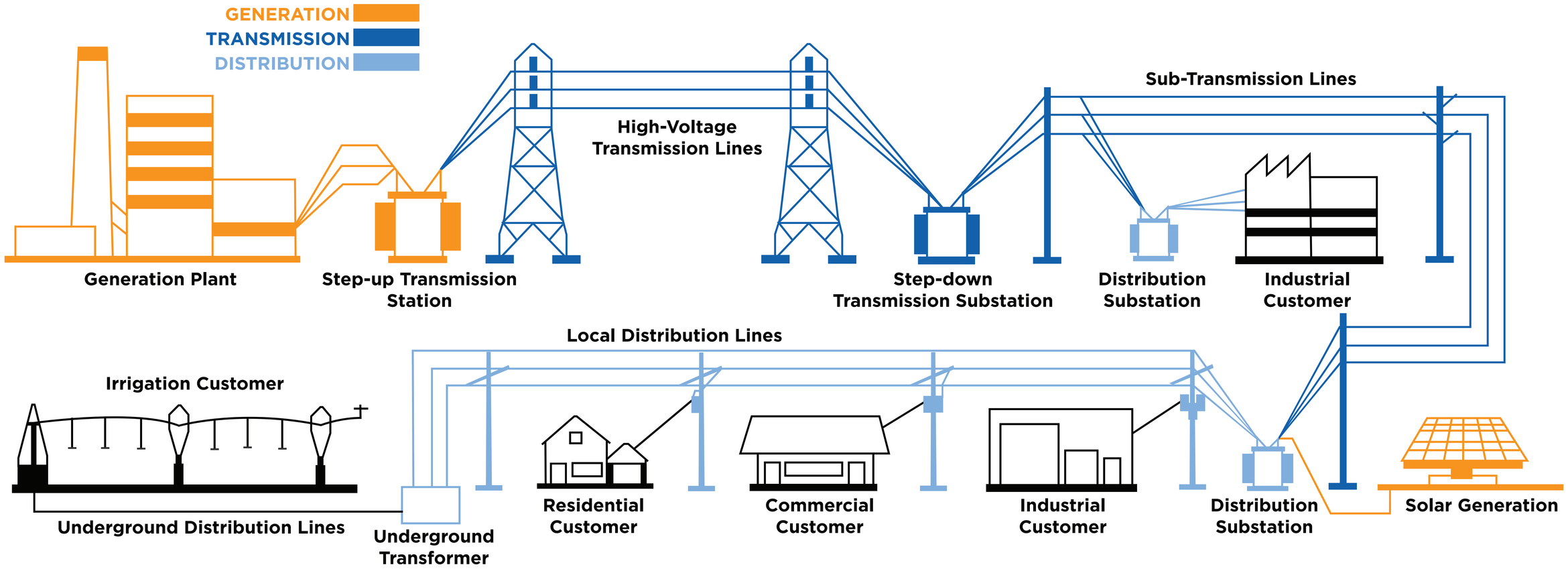
The Path of Electricity



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

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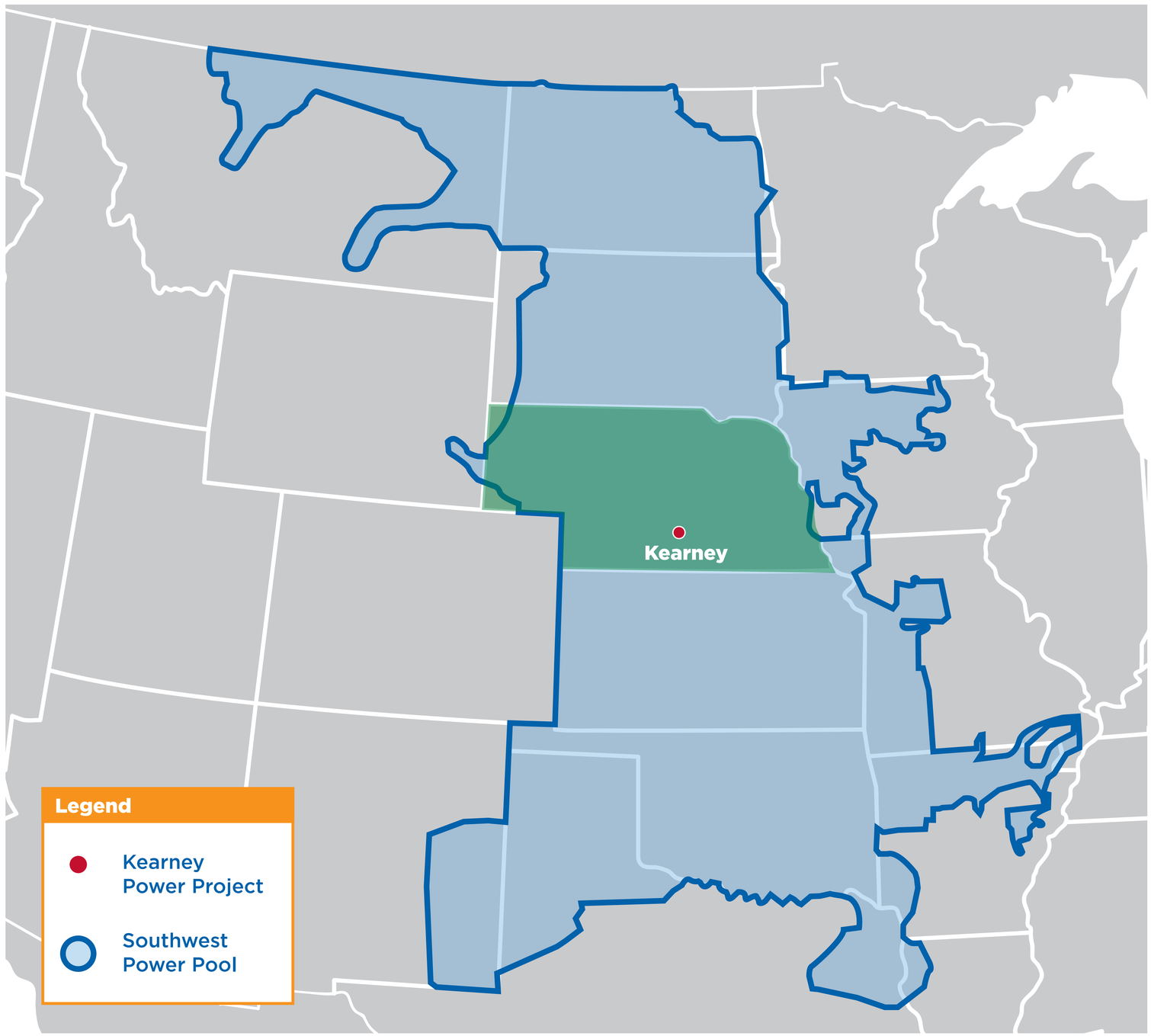
Southwest Power Pool

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 to strengthen the SPP electric system in locations where load use and projected growth is reaching critical levels.



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Project Description

With the Kearney Power Project, NPPD plans to build an approximately six to nine-mile, 115 kV transmission line to provide a necessary path between two substations serving the city and surrounding area.

The new line will increase the system's transmission capacity to meet increasing demand and further enhance reliability and resiliency in the Kearney area.

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Purpose & Need

The City of Kearney is rapidly growing, and the current transmission system is facing high electrical demand on its existing 115 kV transmission system. In exploring several different options, NPPD and SPP determined a 115 kV transmission line from the Kearney TechOne substation on the east side of Kearney to the Tower substation on the west side of Kearney will accommodate current and projected future loads. The new line will provide additional reliability and enhanced resiliency for the Kearney area.

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Routing, Siting, and Public Involvement

Routes for a transmission project are typically developed over the course of several phases and are then narrowed down to a final route. For this project, we will determine the route over the course of three phases:

Phase 1

- Identify preliminary route segments
- Host Public Open House #1

Phase 2:

- Determine preferred and alternate routes using input from landowners and considering constraints
- Host Public Open House #2

Phase 3:

- Determine proposed route
- Host Public Hearing
- Announce final line route no earlier than 30 days after the Public Hearing

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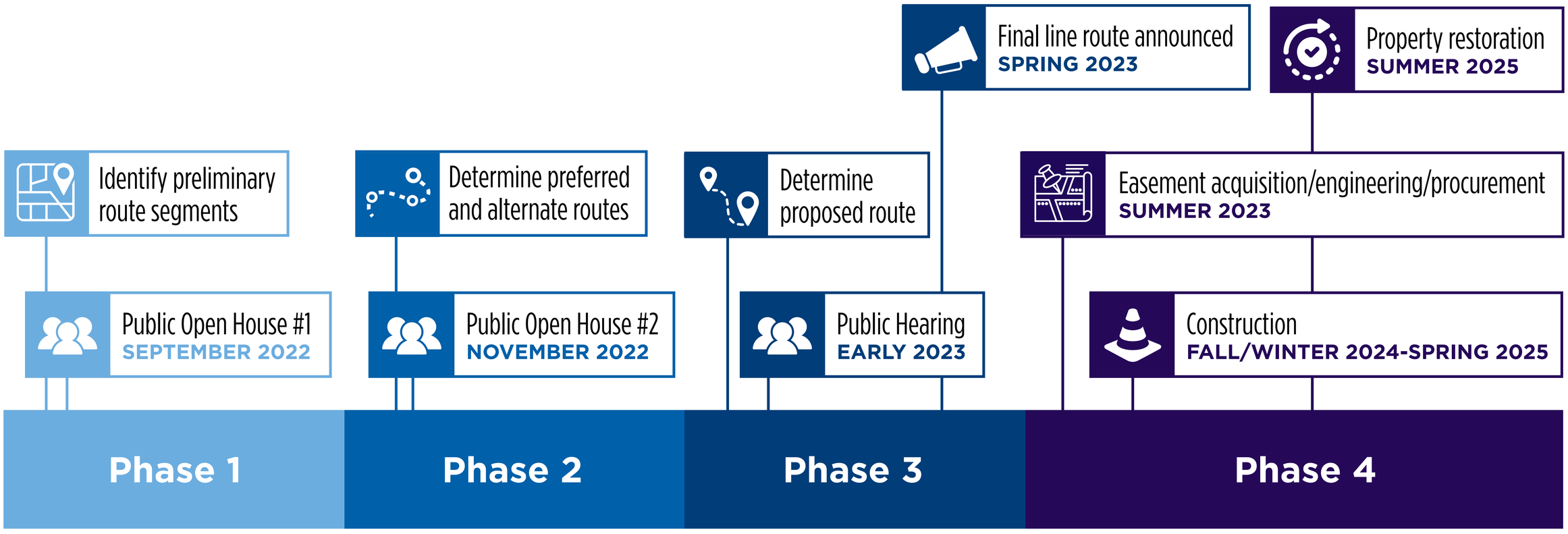
Project Schedule



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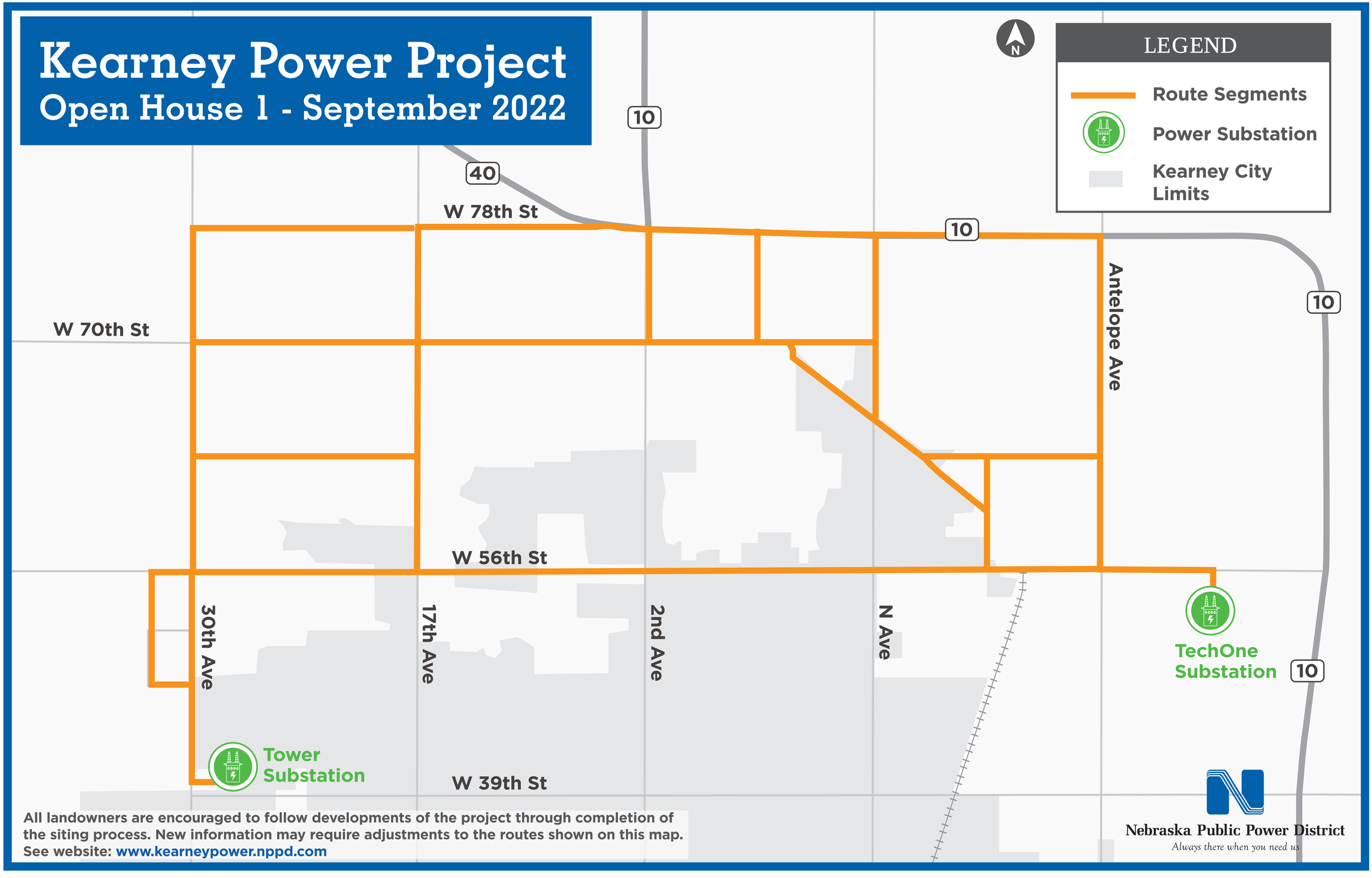
Project Area Map

Kearney Power Project
Open House 1 - September 2022



All landowners are encouraged to follow developments of the project through completion of the siting process. New information may require adjustments to the routes shown on this map. See website: www.kearneypower.nppd.com

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Routing & Siting Evaluation Criteria

Transmission line routing involves trade-offs between 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

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Environmental Resources

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, and local agencies and organizations such as:

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

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Criteria Prioritization Exercise

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

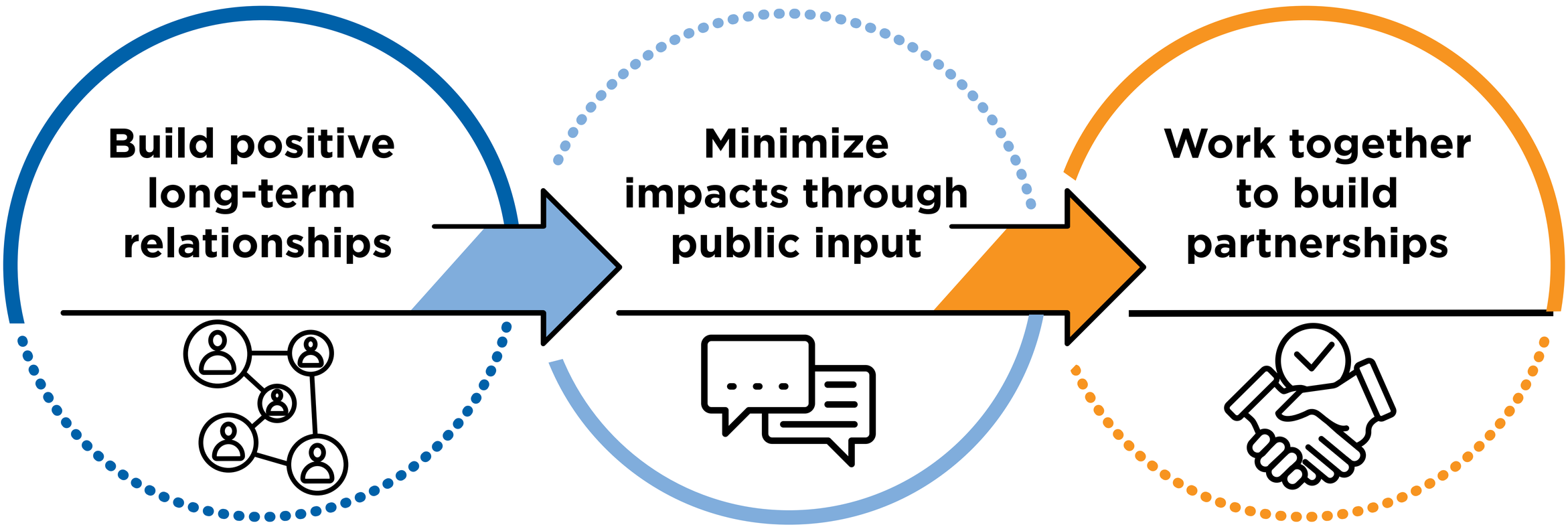
Cost

Building Relationships

Build positive long-term relationships

Minimize impacts through public input

Work together to build partnerships



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Right-of-Way Activities

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

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Easement Compensation

Easement Compensation

80% of the fee value of the easement area
in addition to structure payment

Structure Payment

$100 per single pole (steel or wood)	**$100** per anchor	**$250** per H-Frame (steel or wood)

Payment for any special consideration, such as shelterbelts, fences, gates, etc., will be determined 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.

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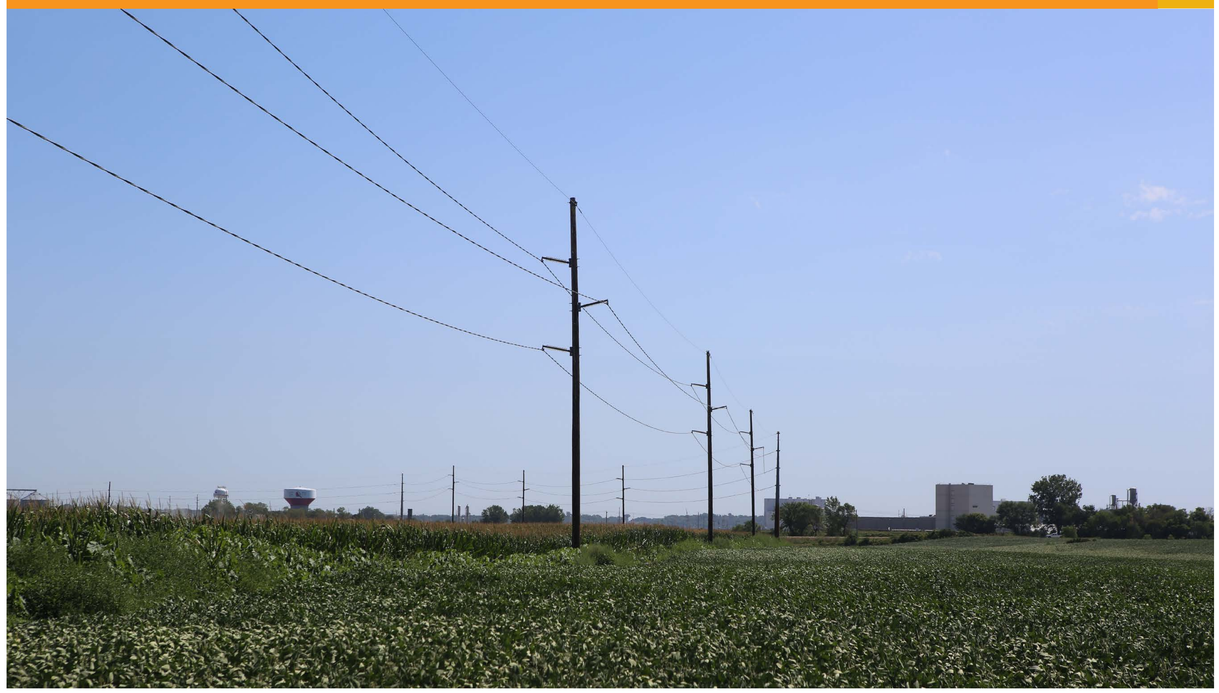
Transmission Line Structures

There are three typical types of structures that would be used on this project:

- 115 kV single-pole wood structure
- 115 kV single-pole steel structure
- 115 kV two-pole or H-frame wood structure (not pictured)

TYPICAL SINGLE-POLE STRUCTURES



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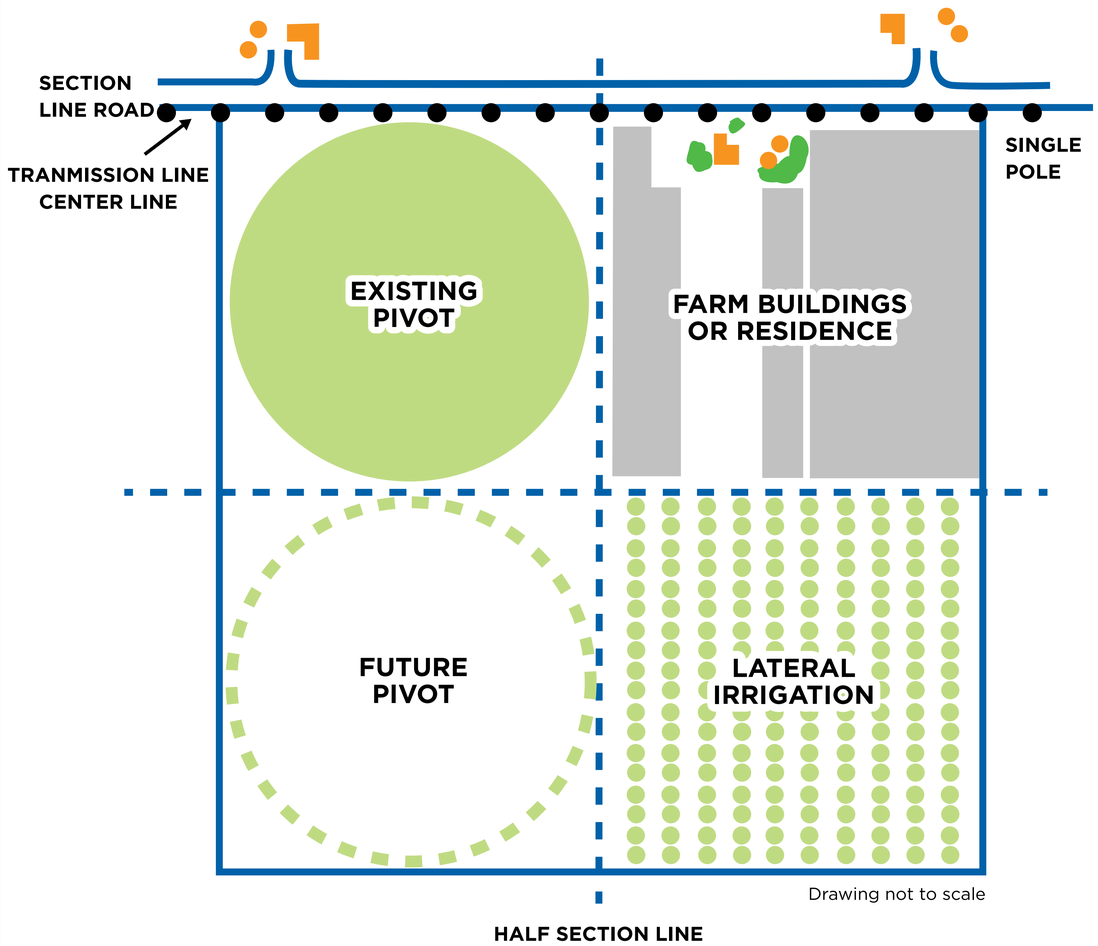
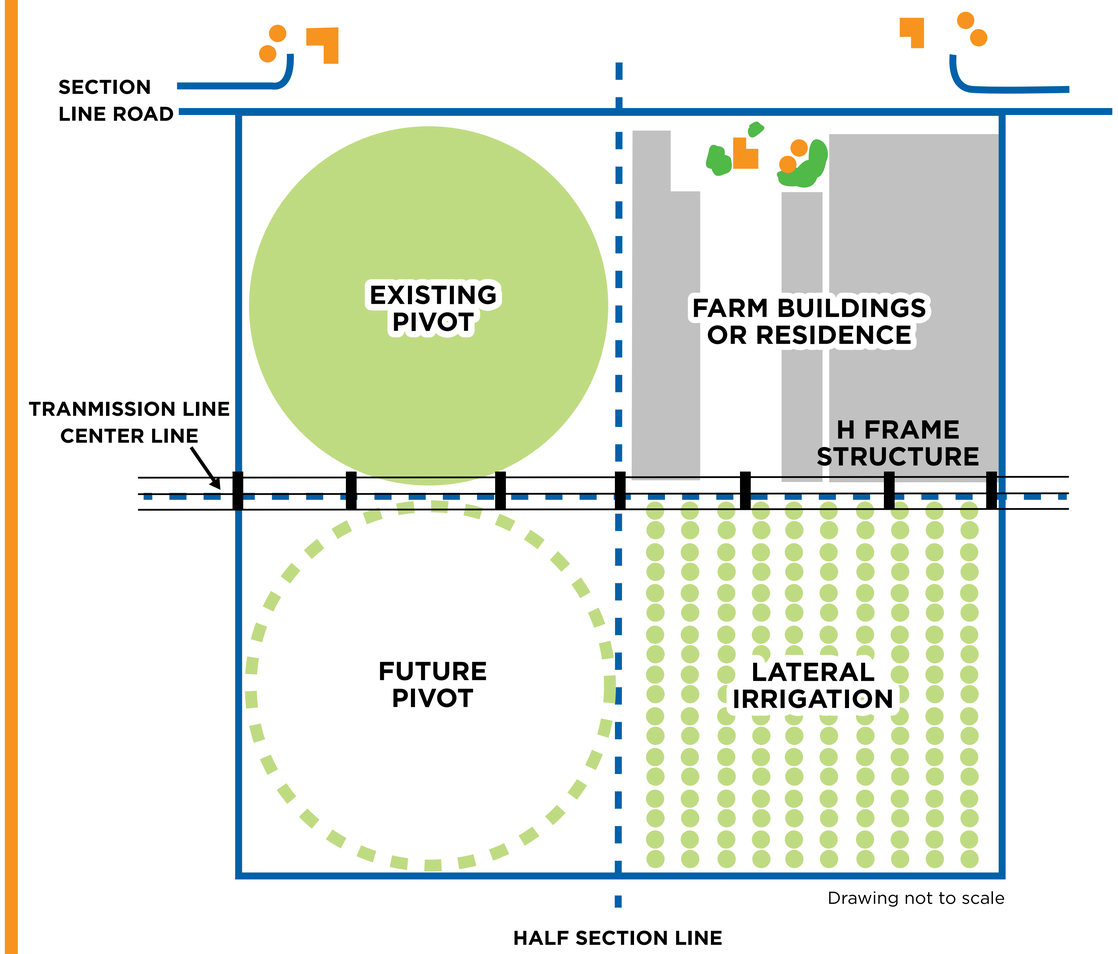
Typical Structure Locations

115 kV Single Pole Structure Placement: Typically ~ 15 structures per mile



115 kV “H” Frame Structure Placement: Typically ~ 7 structures per mile



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Input Needed!

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 historical resources
- Environmental areas

What should we know about your property?

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Stay Involved

Thank you for attending! You can stay involved with the Kearney Power Project by following project news in NPPD newsletters, newspapers, radio, and on social media, or by visiting our website at **kearneypower.nppd.com**.

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