Sarpy Southwest Transmission Project

Routing, Siting & Public Involvement Results and Route Announcement
May 18, 2021
Project Overview

• Construct three new transmission lines
• Purpose & Need
  – Interconnect the Turtle Creek Station - backup natural gas generation facility
  – Support growth in this area
  – Maintain system resiliency and reliability
Sarpy Southwest Transmission Routing, Siting & Public Involvement Process

01 Phase 1: Identify Study Area & Environmental Constraints

January 26, 2021

Phase 1: Online Public Meeting

02 Phase 2: Route Segment Analysis

March 30, 2021

Phase 2: Online Public Meeting

03 Phase 3: Route Alternative Analysis

04 Final Route Announcement

We are here!
Routing & Siting Criteria

How were the routes selected? Potential routes were considered based on many factors, including:

- **Social**
  - Businesses
  - Cemeteries
  - Places of Worship
  - Agriculture
  - Residences/Homes
  - Parks & Recreation

- **Environmental**
  - Conservation Areas
  - Historic & Archaeological Sites
  - Floodplains
  - Wooded Areas
  - Wetlands/Waterways
  - Threatened & Endangered Species

- **Engineering**
  - Airports
  - Cost
  - Constructability
  - Highways
  - Structures (other)
  - Irrigation/Pivots
  - Existing/Planned Utilities
  - Wells
Phase 1 - Route Segment Options
Phase 1 Results

- 26 mapping tool comments/property input.
- 26 public attendees for live online meeting.
- Facilitated a live Q&A session.
- Additional comments and input received through other communication channels.

Map illustrates comments received via mapping tool only.
Phase 2 – Reduced Route Segment Options
Phase 2 Results

- 11 mapping tool comments/property input.
- 39 public attendees for live online meeting.
- Facilitated a live Q&A session.
- Additional comments and input received through other communication channels.

Map illustrates comments received via mapping tool only.
Final Transmission Routes

Legend:
- Yellow: Final Route 1
- Blue: Final Route 2
- Green: Final Route 3
- Red: Existing Transmission Line
- Power Substation
- OPPD Backup Natural Gas Generation Site

Note: I-80 crossing to be coordinated with Nebraska Department of Transportation.
Structure Examples

Double Circuit
345/161kV Line
Average height 150’

Single Circuit
161kV
Average height 115’
Next Steps

• May 2021 – January 2022
  – Engineering design
  – Preliminary ROW activities
  – Environmental assessments

• October 2021
  – Begin long lead material procurement

• Tentatively December 2021
  – Public hearing

• January 2022 – October 2022
  – Easement acquisition

• July 2022 – May 2023
  – Construction

• May 2023 – December 2023
  – Property restoration and project closeout
Questions