Why we are here today?

- Provide an overview of the proposed Pawnee-Daniels Park 345kV Transmission Project
  - What is the Project?
  - Why is the Project needed?
  - Where will it be and why?
  - What is the schedule?
What is the project?

- Construction of a new double circuit 345kV transmission line to connect our existing Pawnee Substation, located near Brush, CO., to our existing Daniels Park Substation, located near Castle Pines
Project Components:

- String 13-miles of new 345kV line on existing structures from the Missile Site Substation west to a point near the Town of Byers
- Rebuild 29-miles of the existing line and structures from single-circuit 230kV to double-circuit 345kV, starting at Smoky Hill Substation heading east
- Construction of a new electric substation in Arapahoe County, just east of the Smoky Hill Substation
- Constructing 20-miles of new mono-pole structures and 345kV line between the existing Smoky Hill and Daniels Park Substations
Why is the Project needed?

- It is part of Colorado’s Senate Bill (SB) 100 portfolio of new transmission projects, and is a critical component of Xcel’s long-range system improvement plan.
- It will allow for the interconnection and delivery of new generation resources necessary to meet new load growth.
- It will improve the overall system reliability of Xcel’s grid, creating a 345kV backbone from Comanche Generation Station in Pueblo to the Pawnee Generation Station in Brush.
345kV System Map - Backbone
Why is the Project needed? (cont.)

- Xcel Energy’s load forecast for Colorado – shows the need for additional power generation resources as early as 2019, growing to approximately 450 MW by 2022 which is the year the project’s in-service date
Xcel expects natural gas-fired generation will be the energy supply of choice: economically favorable, key to managing intermittency of wind generation, lower pollutants and lower greenhouse gas emissions.
Most new gas-fired generators will locate in northeast Colorado - access to natural gas fields and pipelines. The Project will provide capacity needed to inject and deliver these new energy resources to the grid.
Where will it be and why?

- The Smoky Hill – Daniels Park portion is the last link in completing a 345kV “backbone” along the Front Range - an important component of Xcel’s infrastructure build out plan for system reliability and sustainability.

- In the early 1960’s Xcel purchased enough land for two transmission lines in the corridor (210’ wide), recognizing the eventual need for a second line.

- Xcel will complete a siting study to determine if any feasible alternatives exist for developing a new corridor between Smoky Hill and Daniels Park, in lieu of using the existing corridor.
Photo Simulations (1A)

DeGaulle Street in Sorrel Ranch
Looking East
Existing Condition
Photo Simulations (1B)

DeGaulle Street in Sorrel Ranch
Looking East
Proposed Galvanized Structures
Photo Simulations (2A)

Commons Ave. and Aurora Parkway
Looking Southeast
Existing Condition
Photo Simulations (2B)

Commons Ave. and Aurora Parkway
Looking Southeast
Proposed Galvanized Structures
Photo Simulations (3A)

Riva Ridge Road
Looking West
Existing Condition
Photo Simulations (3B)

Riva Ridge Road
Looking West
Proposed Galvanized Structures
Photo Simulations (3C)

Riva Ridge Road
Looking West
Proposed Self-Weathering Structures
Photo Simulations (4A)

East Hilltop Road
Looking West
Existing Condition
Photo Simulations (4B)

East Hilltop Road
Looking West
Proposed Galvanized Structures
Photo Simulations (4C)

East Hilltop Road
Looking West
Proposed Self-Weathering Structures
Photo Simulations (5A)

Sorrel Road
Looking Southwest
Existing Condition
Photo Simulations (5C)

Sorrel Road
Looking Southwest
Proposed Self-Weathering Structures
Tentative Schedule Dates

- Q3 2013 to present – Public outreach to local governments, property owners, business groups and other stakeholders
- Q2-Q4 2015 – PUC approved Certificate of Public Convenience and Necessity, Open House Meetings
- Q4 2015 - Local Land Use Permitting Begins
- Q4 2016 - Local Land Use Permitting Completed
- 2020 - Construction Start
- May 2022 - Projected In-Service
Preliminary Project Sequence

Outreach: Governments and Public

Project Development

Certificate of Public Convenience and Necessity (CPCN)

Local Permitting and Land Rights

Engineering, Procurement and Construction

WE ARE HERE

years

2013 2022
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