COLORADO'S POWER PATHWAY

Proposal delivers new energy economy benefits to rural Colorado, communities across the state

Virtual Routing & Siting Update

Sept. 23, 2021

MEETING TIPS

1. All attendees are on mute to reduce background noise.

2. You can ask questions at any time by pressing *3 on your phone or by typing your question in the online portal.

3. If you're on the phone and would like to join online to see the presentation slides and ask questions in the online portal, please go to **ColoradosPowerPathway.com**. The virtual town hall portal is located on our homepage. The online meeting works on both computers and mobile devices.

4. If you have connection issues with the online meeting, please call the meeting phone number at 855-962-1519 (English) or 833-380-0723 (Spanish) for audio.

Jennifer Chester
Meeting Coordinator

Heather Brickey
Program Manager

Amber Dedus
Principal Agent
Siting & Land Rights

WHAT WE'LL COVER TODAY

1. **Project Overview**
2. **Project Need & Benefits**
3. **Routing and Siting Updates**
4. **In-Person Public Open Houses**
5. **Question-and-Answer Session**

Colorado's Power Pathway

$1.7 to $2 billion dollar investment

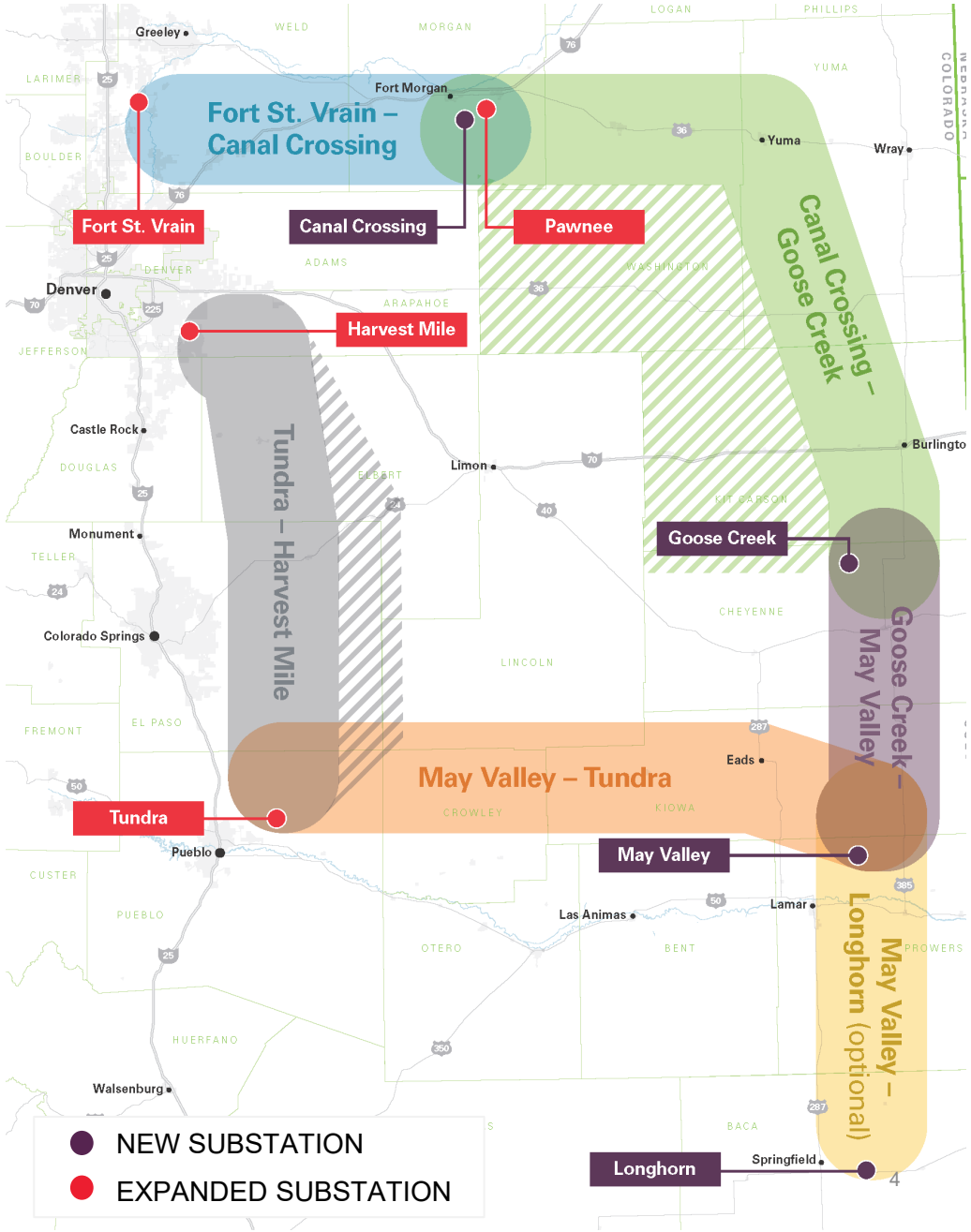
New double-circuit 345-kilovolt electric transmission line

About 560 miles divided into 5 segments

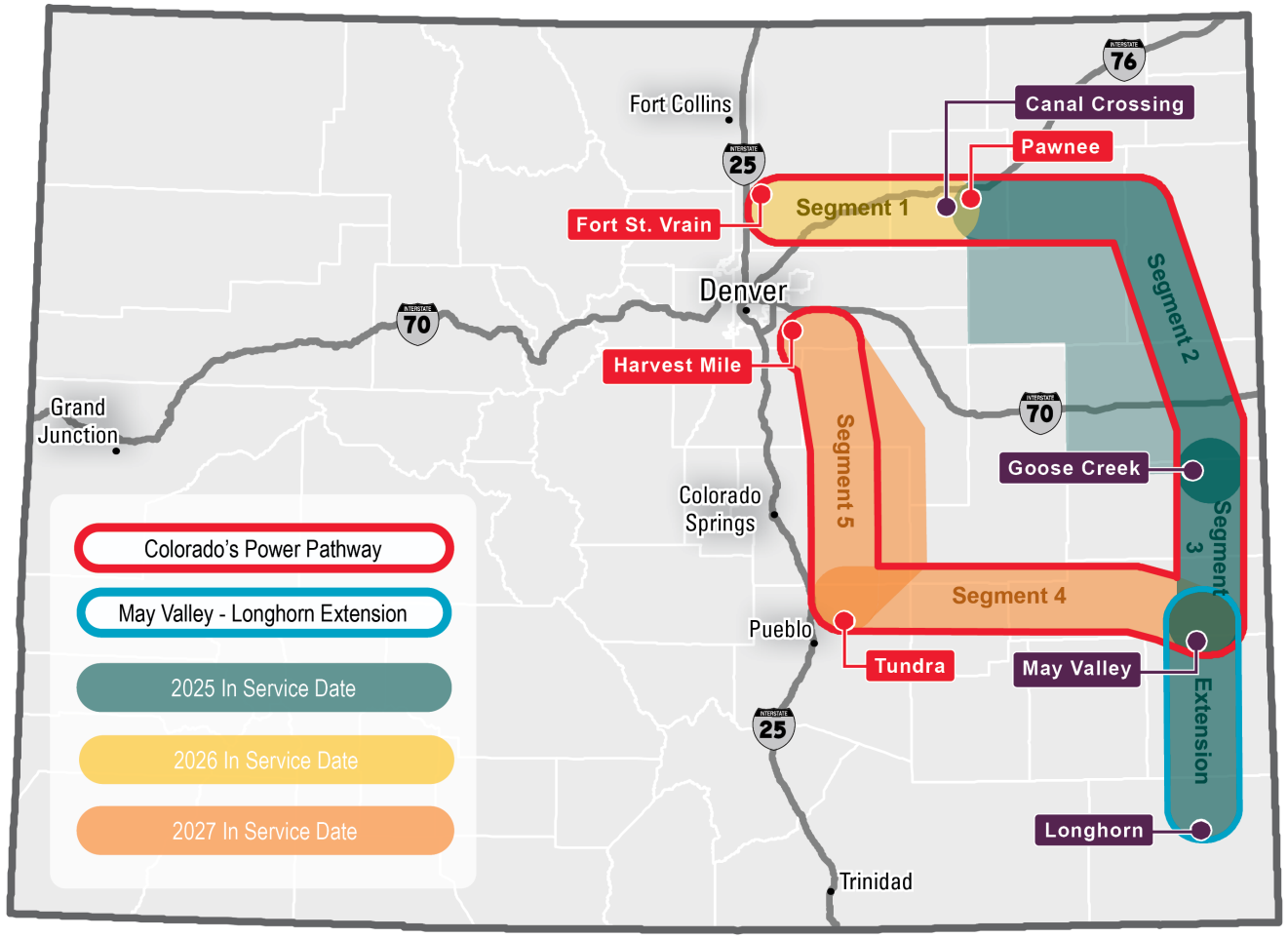
- Includes 3 new and 4 expanded substations

Additional 90 miles with the May Valley - Longhorn Extension (MVLE) segment

- Includes 1 new substation
- Access renewables in SE corner of the state
- Reduces the number of generation tie lines that may be needed



Developing Colorado's Power Pathway



Creates a transmission loop

- Enhances system reliability – can withstand loss of one transmission path without interrupting power flow
- Allows for wind/solar generation diversity on the system

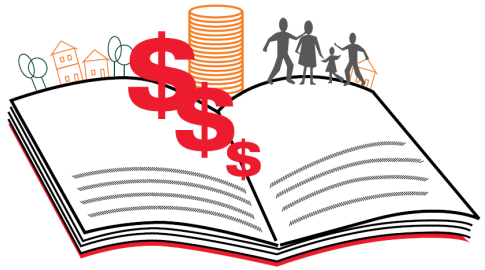
Sequencing of construction

- First segments in-service in 2025 to take advantage of Production Tax Credits
- Other segments in service in 2026 and 2027 allows resource addition to the system in stages

Need and Community Benefits

POSITIVE IMPACT

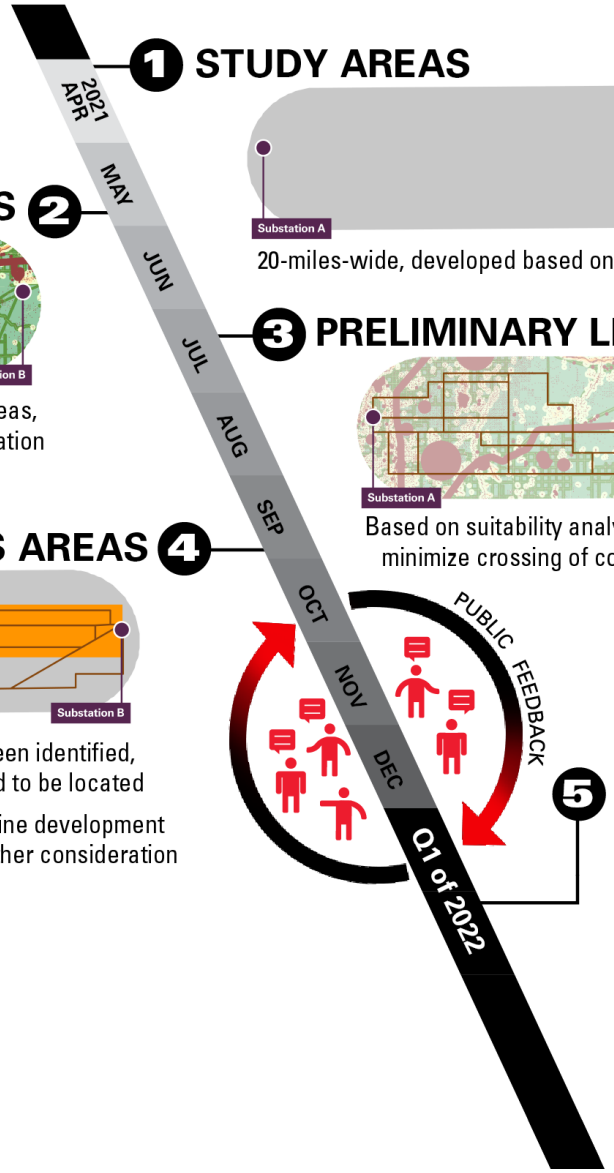
JOBS & REVENUE



AND MORE...

- The Eastern Plains of Colorado is one of the nation's best areas for renewable development.
- Existing transmission on the Eastern Plains is nearly "full".
- Colorado's Power Pathway supports our plan to add around 5,000 megawatts of new wind, solar and other resources through 2030.

From Study Areas to Focus Areas to Routes



1 STUDY AREAS

20-miles-wide, developed based on segment end points (Substation A and Substation B)

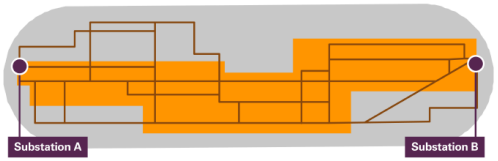
SUITABILITY ANALYSIS 2

Collect data on resources within and adjacent to study areas, categorize based on compatibility with development of transmission line or substation

3 PRELIMINARY LINKS

Based on suitability analysis, identify links that provide routing options between segment end points that minimize crossing of constrained areas and maximize use of more compatible locations

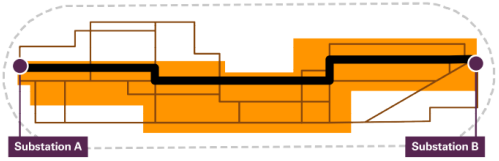
FOCUS AREAS 4



Smaller area within each segment study area where links have been identified, within which the preferred route is anticipated to be located

Areas with constraints or that are less suitable for transmission line development are removed from further consideration

5 REVISE LINKS & IDENTIFY PREFERRED ROUTE

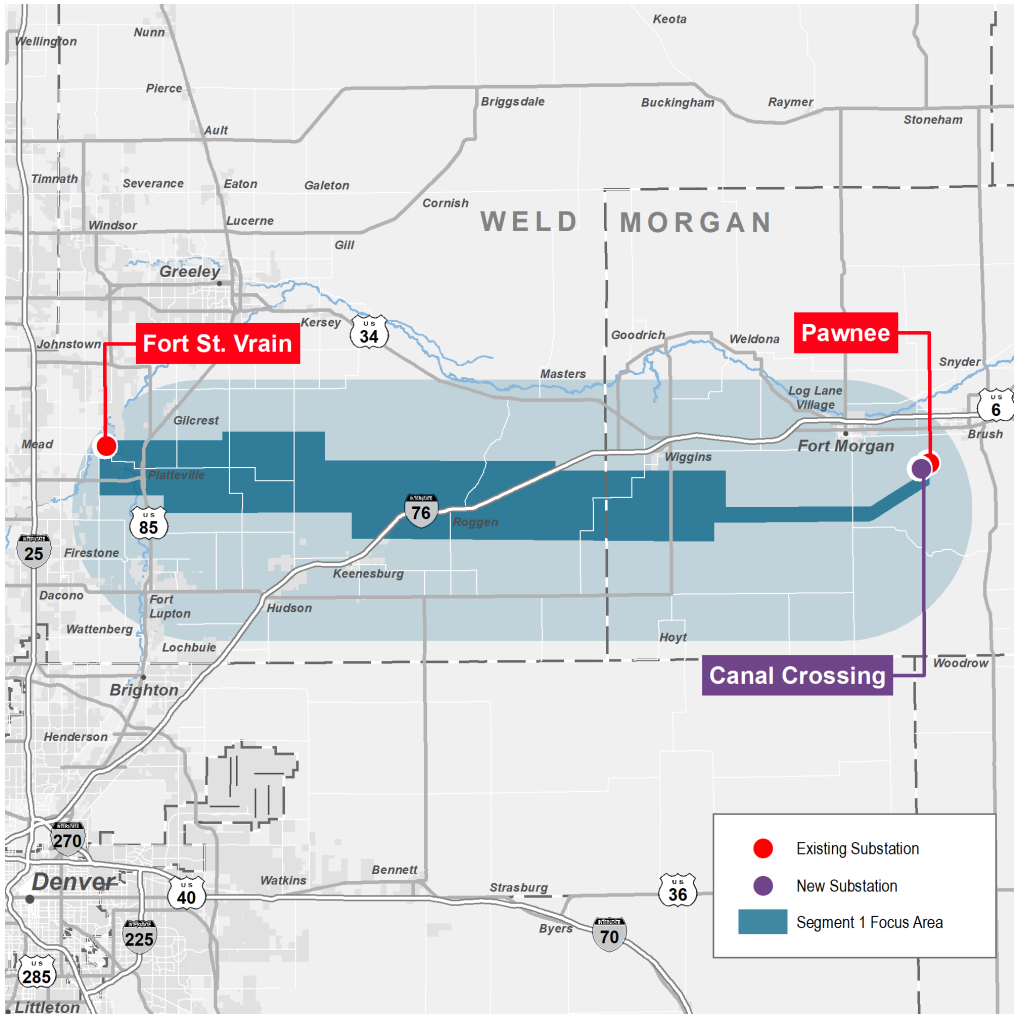


Preliminary links are revised (removed, added, modified) based on public and stakeholder review and input

Comparative analysis to identify links to be removed from further consideration, evaluate end-to-end routes

Select preferred route

Segment 1: Fort St. Vrain – Canal Crossing



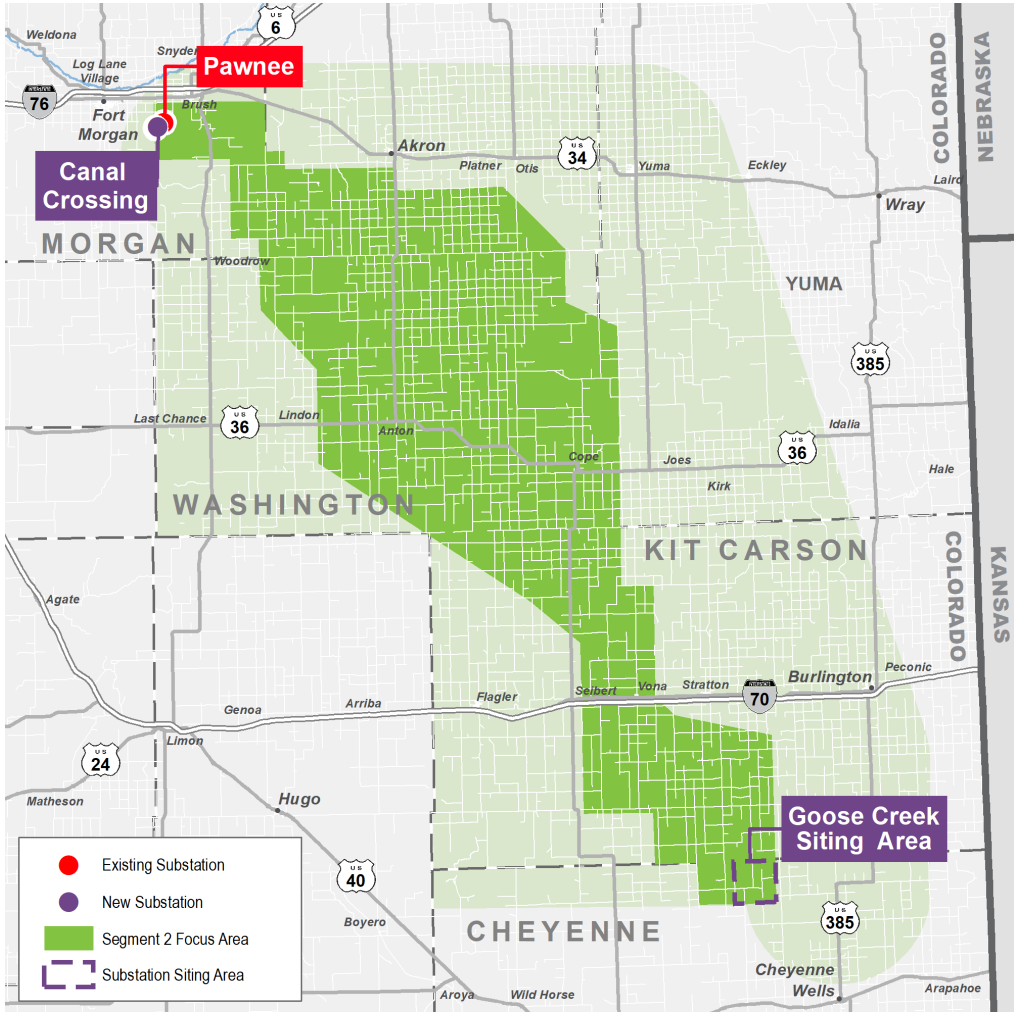
Major Routing/Siting Considerations:

- End points are fixed at Fort St. Vrain and Pawnee/Canal Crossing
- Platte River to the north
- Must cross I-76
- Dense development to west and oil & gas throughout most of study area
- Existing electric and gas lines

Focus Area Description:

Mainly in central portion of the study area, south of the river, north of most existing transmission and gas lines

Segment 2: Canal Crossing – Goose Creek



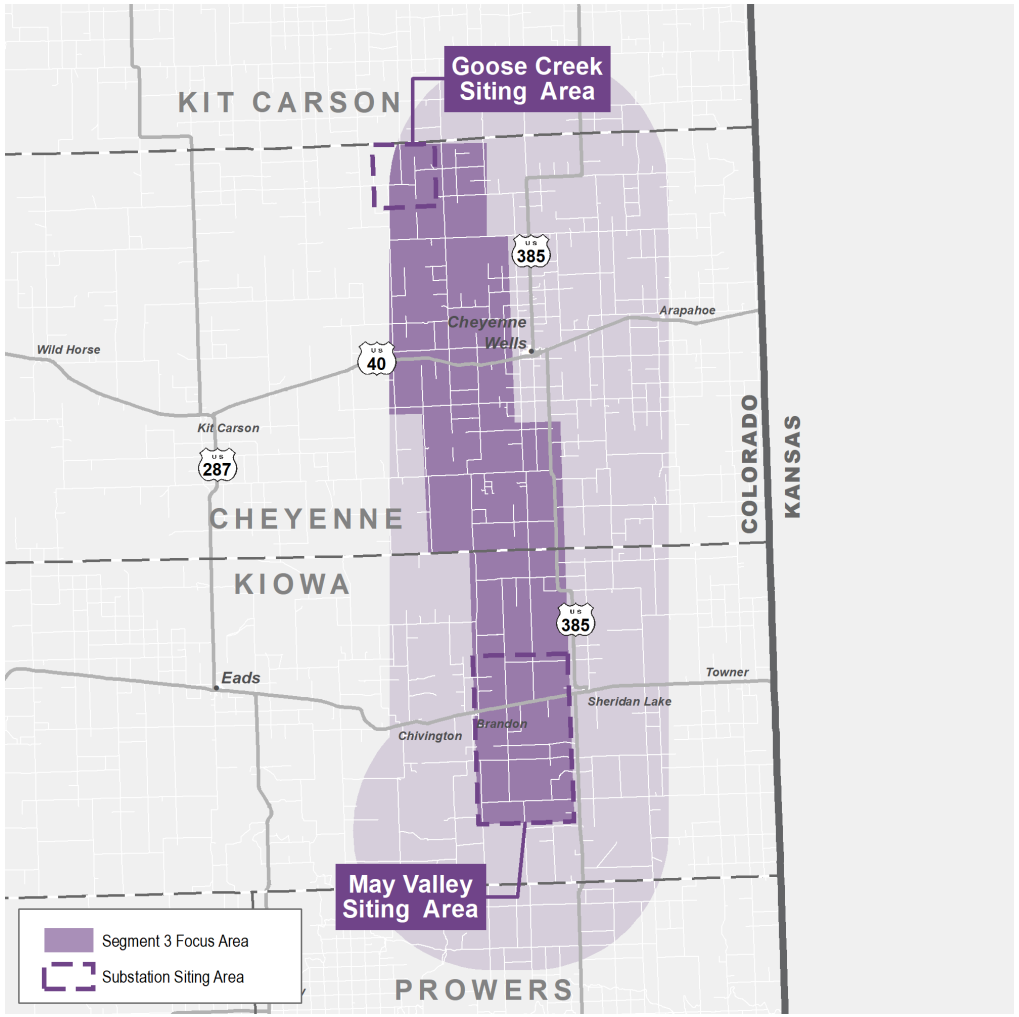
Major Routing/Siting Considerations:

- End point fixed at Pawnee/Canal Crossing and new Goose Creek substation location to be identified
- Must cross I-70
- Waterway crossings and associated resource sensitivities
- Existing wind generation
- High density of oil and gas wells and multiple large gas pipelines
- Several municipal airports
- Brush Prairie Ponds State Wildlife Area
- Longest segment

Focus Area Description:

Broader in the north and narrower at I-70 due to limited options to cross the interstate

Segment 3: Goose Creek – May Valley



Major Routing/Siting Considerations:

- End points are Goose Creek and May Valley substations
- Existing wind generation
- Sand Creek Massacre National Historic site
- Queens State Wildlife Area
- Conservation easements
- Lesser prairie-chicken habitat
- Big Sandy Creek and associated sensitive resources

Focus Area Description:

Located in the western and central portion of the study area, primarily west of U.S. Highway 385 and east of the Sand Creek Massacre Site

Segment 4: May Valley – Tundra

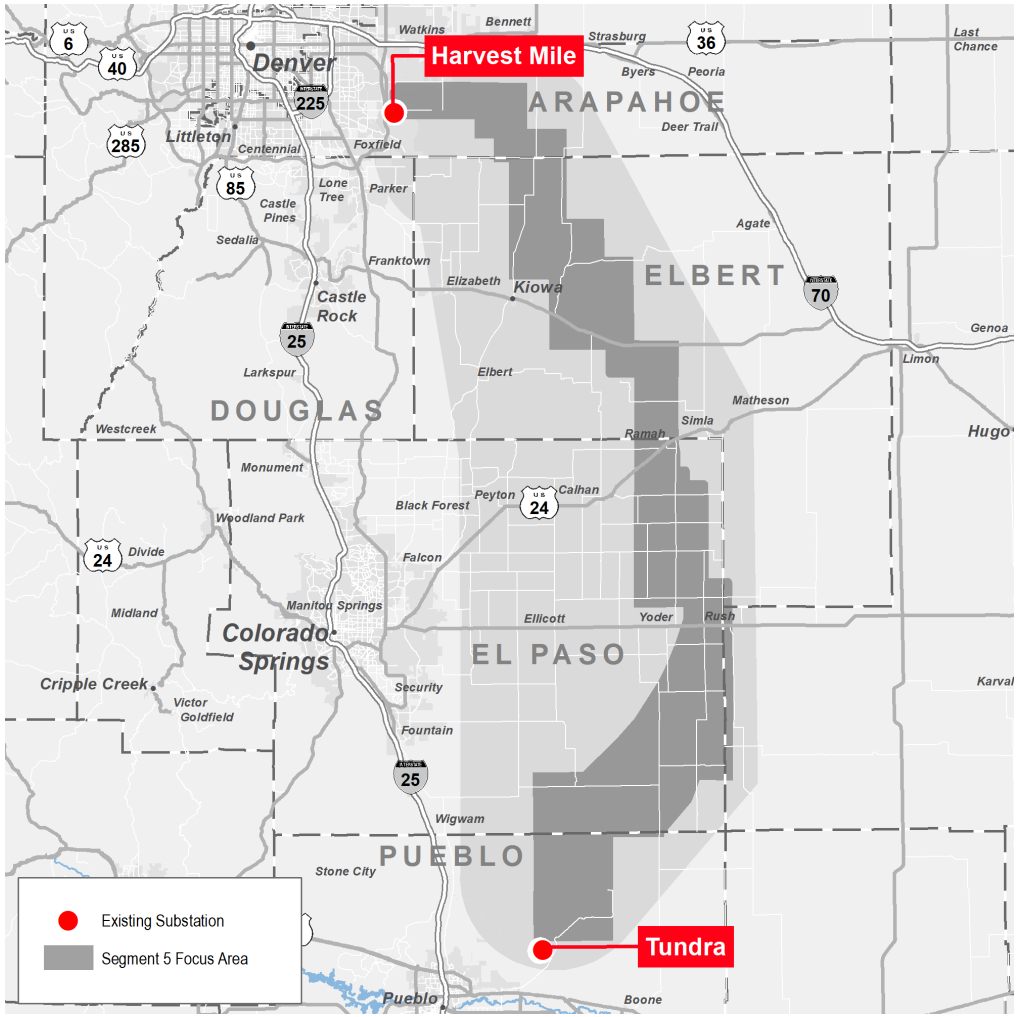
Major Routing/Siting Considerations:

- End point fixed at Tundra substation
- Formally designated and/or protected state and federal land
- Queens State Wildlife Area
- U.S. Army Pueblo Chemical Depot
- Transportation Technology Center
- Lesser prairie-chicken habitat
- Conservation easements
- Stewardship Trust land

Focus Area Description:

Broad area includes options to route into Tundra from the north or south

Segment 5: Tundra – Harvest Mile



Major Routing/Siting Considerations:

- End points are fixed at Tundra and Harvest Mile
- U.S. Army Pueblo Chemical Depot
- Black Forest
- Buckley and Schriever Space Force bases
- USAFA Bullseye Airfield & training areas
- Existing wind facilities
- Existing & planned residential
- Stewardship Trust land

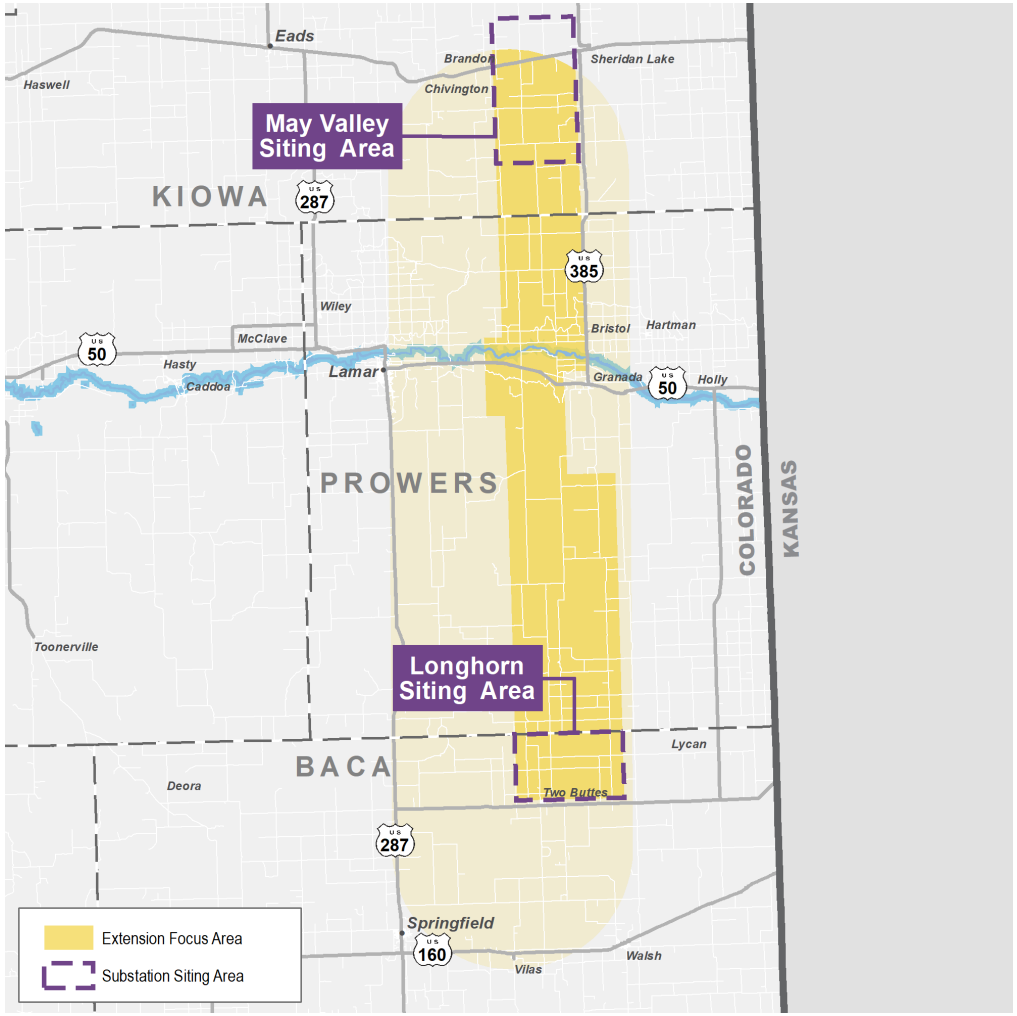
Expanded Study Area:

- Expanded east in El Paso, Lincoln and Elbert counties
- Avoid recently discovered constrained areas along the west side of study area

Focus Area Description:

Primarily located to the east due to constraints located in the west and central portion of the study area

May Valley – Longhorn Extension



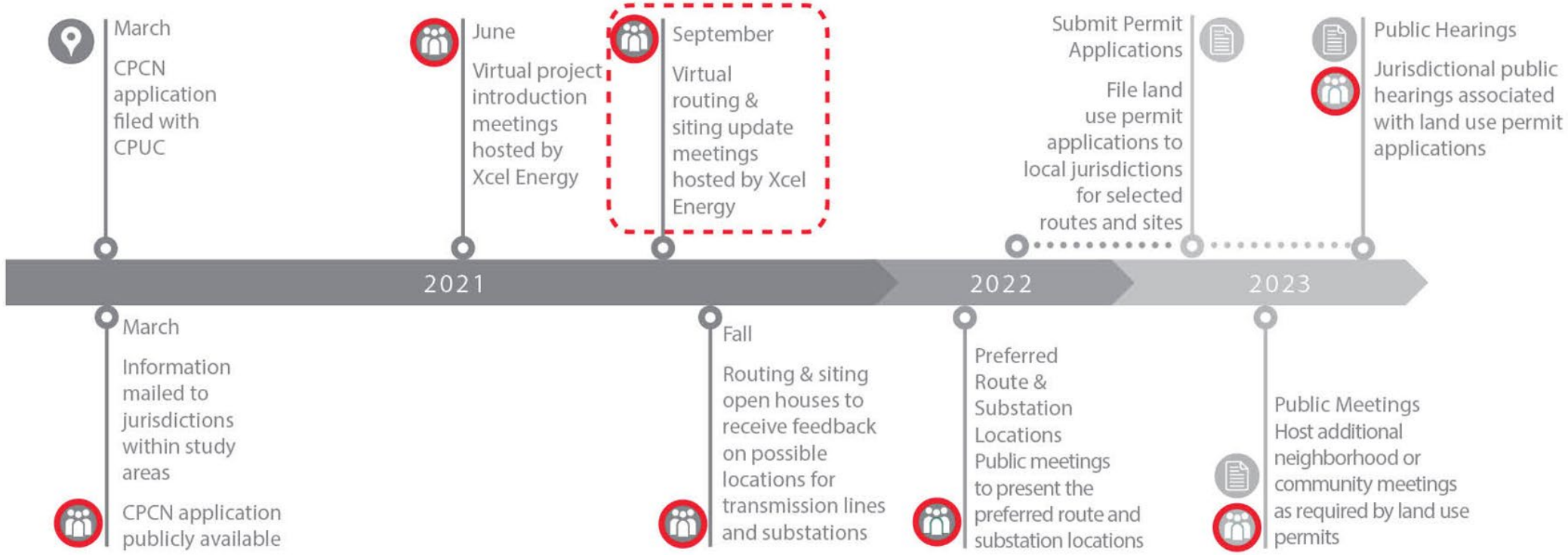
Major Routing/Siting Considerations:

- Arkansas River crossing
- Conservation easements
- Two Buttes Reservoir State Wildlife Area
- Santa Fe Trail Scenic and Historic Byway
- Existing & planned wind farms
- Lesser prairie-chicken habitat
- Location of new Longhorn substation

Focus Area Description:

Located in the eastern portion of the study area based on possible Arkansas River crossing locations, existing transmission, wind and other development located to the west

Public Feedback:
From Focus Areas to Preferred Routes & Substation Locations



In-Person Public Routing and Siting Open Houses

WEEK 1: Oct. 11-14

Akron
Monday, Oct. 11, 3-7 p.m.

Joes
Tuesday, Oct. 12, 9-11 a.m.

Burlington
Tuesday, Oct. 12, 3-7 p.m.

Cheyenne Wells
Wednesday, Oct. 13, 9:30-11:30 a.m.

Lamar
Wednesday, Oct. 13, 4-7 p.m.

Springfield
Thursday, Oct. 14, 11 a.m.-1 p.m.

WEEK 2: Nov. 1-4

Platteville
Monday, Nov. 1, 3-7 p.m.

Fort Morgan
Tuesday, Nov. 2, 3-7 p.m.

Aurora
Wednesday, Nov. 3, 3-7 p.m.

Kiowa
Thursday, Nov. 4, 3-7 p.m.

WEEK 3: Nov. 8-11

Calhan
Monday, Nov. 8, 3-7 p.m.

Ellicott
Tuesday, Nov. 9, 5:30-8:30 p.m.

Pueblo
Wednesday, Nov. 10, 3-7 p.m.

Crowley
Thursday, Nov. 11, 9-11 a.m.

Eads
Thursday, Nov. 11, 5-7 p.m.

Question-and-Answer Session

Ask a question during this session:

Haz una pregunta durante esta sesión:

Press *3 on your phone

Marque *3 en su teléfono

Type your question in the online portal

Escriba su pregunta en el portal en línea

ColoradosPowerPathway.com

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Josh Peterson
Transmission Engineering

Rob Beastrom
Transmission Construction

Dr. Israel
Electric & Magnetic Fields


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Contact us at **855-858-9037** or **ColoradosPowerPathway@xcelenergy.com** with questions or comments.
Si necesita asistencia o información en español, por favor contáctenos directamente al **ColoradosPowerPathway@xcelenergy.com** o **855-858-9037**