



Green Valley Substation to Beaver Creek-Erie Tap

Category Ranks	Alternative - Segments		
	124 - M1, M2, M3	125 - M1, M2, M4	126 - M1, M5
Engineering	1	2	3
Geology and Soils	1	2	3
Water Resources	1	1	3
Vegetation	1	1	1
Wildlife	2	3	1
Land Use	3	1	2
Cultural Resources	1	1	1
Category Rank Total	10	11	14
Alternative Rank	1	2	3

	Proposed Route
	Alternative Route
	Other Route

Proposed, alternative, and other routes are subject to change.

Description & Results

The Green Valley Substation to Beaver Creek-Erie Tap transmission line would be approximately 10 miles in length. The transmission line would begin at the existing Green Valley Substation and proceed north to the new Beaver Creek-Erie Tap located along the existing Beaver Creek- Erie 115-kV transmission line.

Route refinement added segment M5 because the area is less developed and is more conducive to connecting to the existing transmission line.

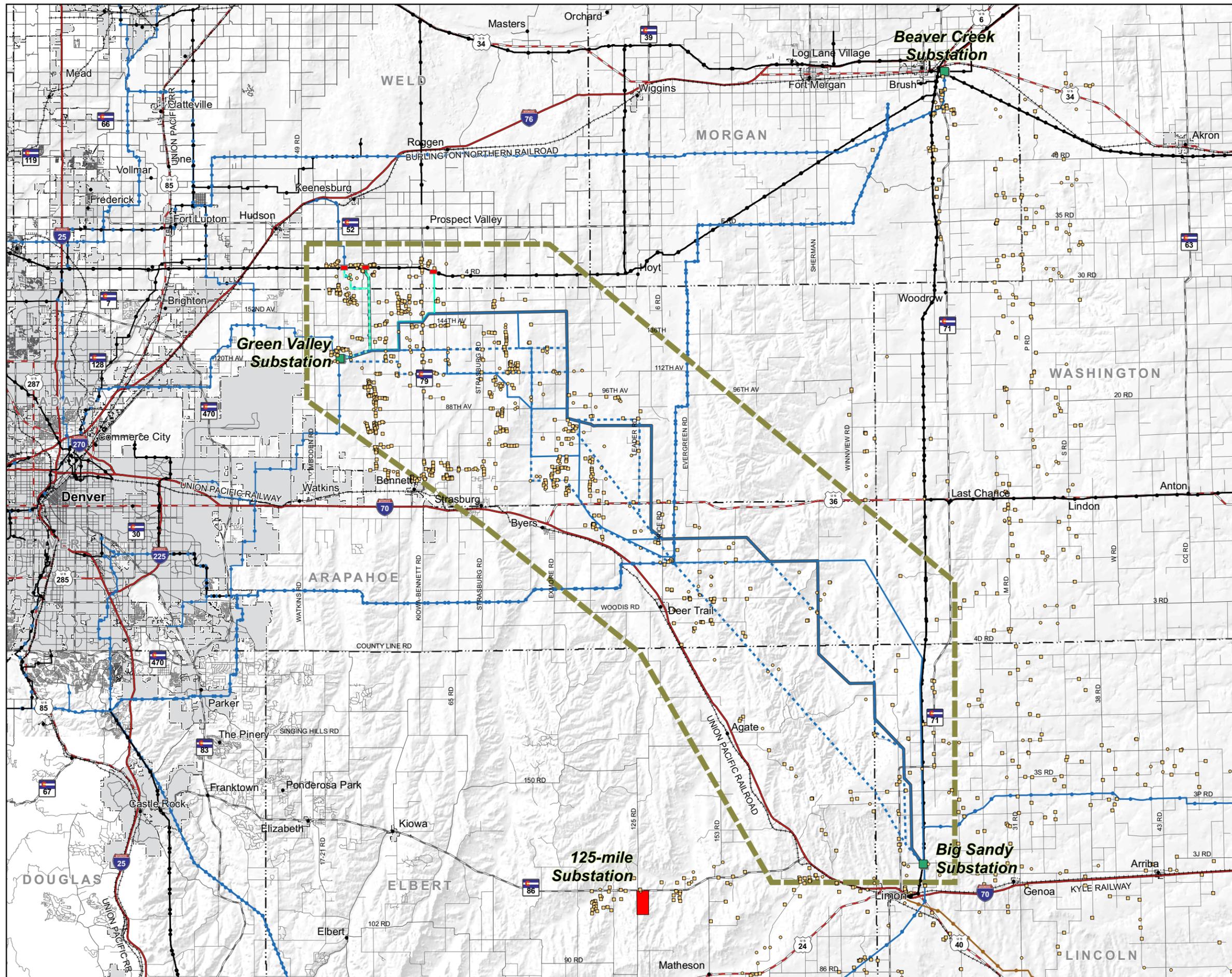
Alternative 24 was identified as the proposed route because it would take advantage of an existing utility corridor and have fewer effects to natural resources. The other routes (125 and 126) were chosen as alternatives.

Siting Considerations

The proposed and alternative routes respond to scoping comments and additional ground and aerial surveillance.

Route-specific comments from scoping included the following:

- Lots of development in area
- Already affected by Xcel lines



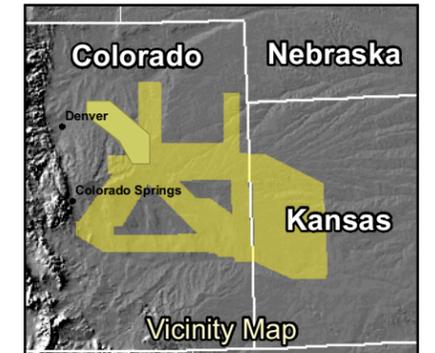
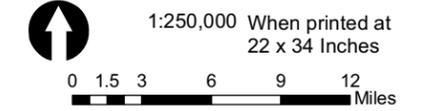
Base Map

Big Sandy to Green Valley and Green Valley to Beaver Creek-Erie Tap

Legend

- Substations**
 - Existing Substation
 - Proposed Substation Siting Area
- Analysis Area**
 - Big Sandy to Green Valley
- Transportation**
 - Interstate Highway
 - State Highway
 - U.S. Highway
 - Minor Road
 - Major Road
 - Railroad
- Existing Transmission Lines**
 - 115-kV Transmission Line
 - 230-kV Transmission Line
 - 345-kV Transmission Line
 - 69-kV Transmission Line
- Routes**
 - Green Valley to Big Sandy**
 - Proposed (345-kV)
 - Alternative (500-kV)
 - - - Previous (500-kV)
 - Green Valley to Beaver Creek-Erie Tap**
 - Proposed (230-kV)
 - Alternative (230-kV)
 - - - Previous (230-kV)
- Structures** (Digitized from aerial photography)
 - Residence
 - Other Structure

Source Data: ESRI (Cities), NED (Hillshade), BTS (Highways), National Atlas (States), CDOT (CO Roads, Rails, City/County Boundaries), Xcel, Western (Transmission Lines)



Last Revised: 01/25/07

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Eastern Plains Transmission Project

