

Reinventing the Right of Way Workshop – Policy Panel

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CETA Organizational Structure

- In 2021, the State of Colorado created CETA to facilitate the expansion of electric transmission facilities to 1) increase grid reliability, 2) help Colorado meet its clean energy goals, and 3) aid in economic and community development.
- CETA is an independent public body. It is a public instrumentality and political subdivision of the state. CETA performs an essential public function.
- CETA is not an agency of state government and is not subject to administrative direction by any commission, board, or agency of the state.
- Authority is vested in the independent Board of Directors.



General and Specific Powers

- Engage in transmission planning activities that would increase grid reliability, help Colorado meet its clean energy goals, and aid in economic development.
- Identify and establish corridors for the transmission of electricity within the state and negotiate with entities to establish interstate corridors.
- Enter into partnerships with public or private entities.
- Issue transmission revenue bonds to finance and develop transmission and related infrastructure.
- Use the power of eminent domain to acquire transmission rights-of-way.

Transmission Expansion Study

Transmission Portfolios: Reference Case (+ Reconductoring)

- Reference Case portfolio meets the 20-year reliability, deliverability and economic needs of high-voltage system in Colorado

Capital Investment (\$M)

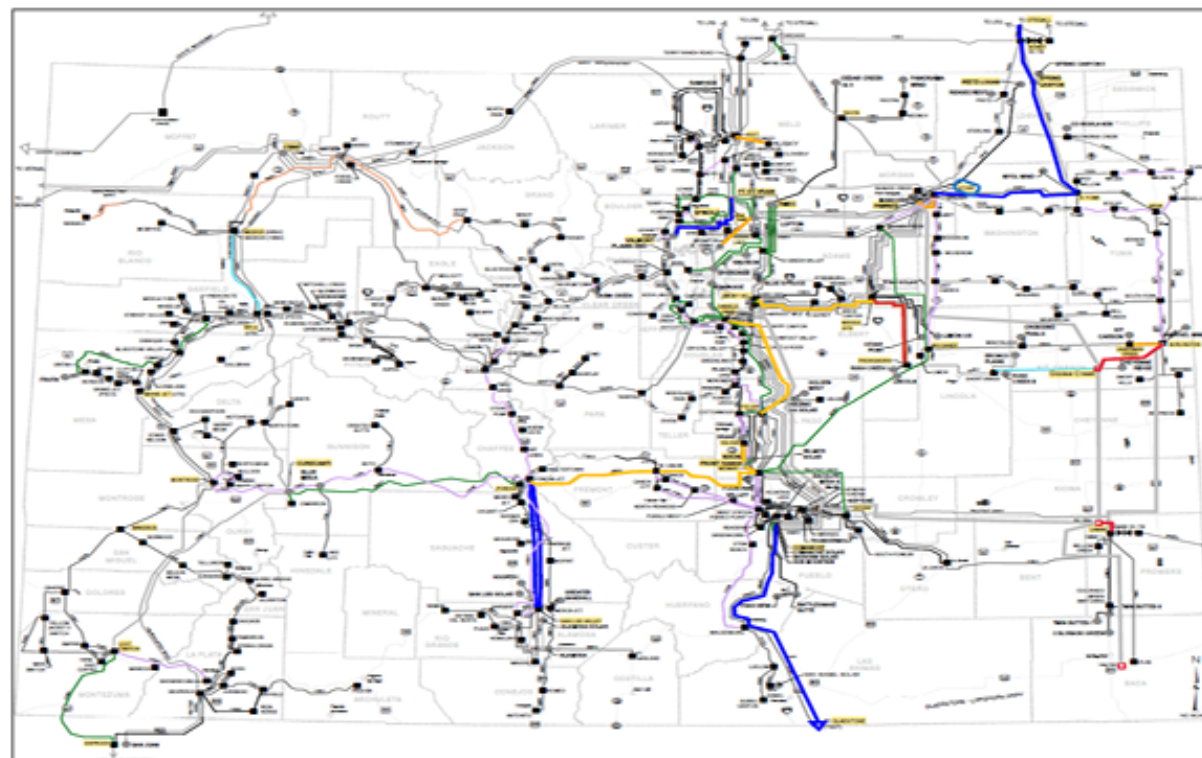
\$4,503

Portfolio Line Miles

Greenfield	548
Rebuild	269
Reconductor	2883

Build Categories

 New 230kV Lines	 Reconductor 345kV
 New 345kV Lines	 Reconductor 230kV
 Conceptual Projects	 Reconductor 138kV
 Rebuild to Double Circuit	 Reconductor 115kV



High Demand Options

Transmission Portfolios: *Additional* Upgrades to Accommodate High Demand Scenario

- Portfolio captures *additional* 20-year upgrades needed to accommodate ~50% increase in peak demand growth (20 GW of total CO demand in 2045)

Capital Investment (\$M)

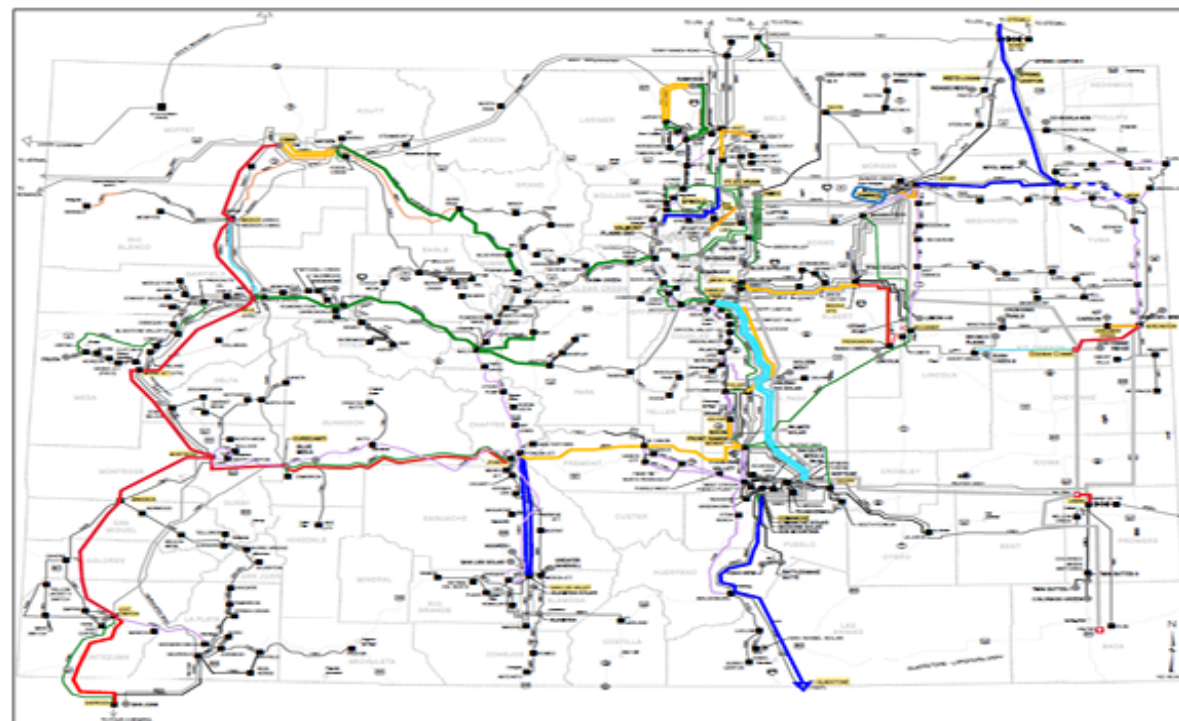
\$3,800 + Ref. Case

Portfolio Line Miles

Greenfield	654
Rebuild	246
Reconductor	1153 ¹

Build Categories

 New 230kV Lines	 Reconductor 345kV
 New 345kV Lines	 Reconductor 230kV
 Conceptual Projects	 Reconductor 138kV
 Rebuild to Double Circuit	 Reconductor 115kV

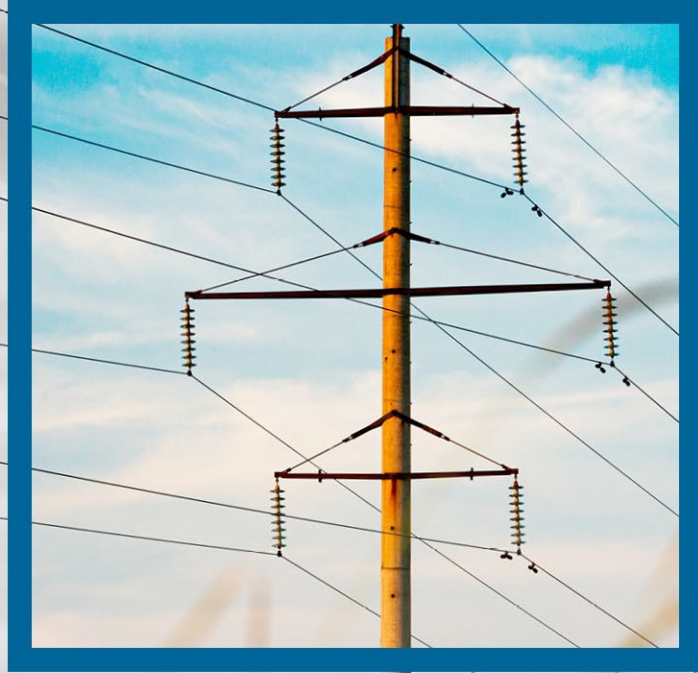


(1) Map does not show reconductoring required for High Demand scenario or transmission under 200kV.



NextGen Highways Colorado

- Transmission Lines in State Highway Rights-of-Way (H.B. 25-1292)
- Establishes a process to allow transmission developers to locate high voltage transmission lines within a state highway right-of-way.
- Establishes an order of priority that transmission developers are required to follow when assessing potential sites for the placement of high voltage lines:
 - Existing utility corridors;
 - State highway rights-of-way; and
 - New utility corridors.
- Requires CETA, with private funding and in collaboration with state agencies, to study state highway corridors to identify corridors that may be suitable for high voltage transmission line development.



THANK YOU

Questions?

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