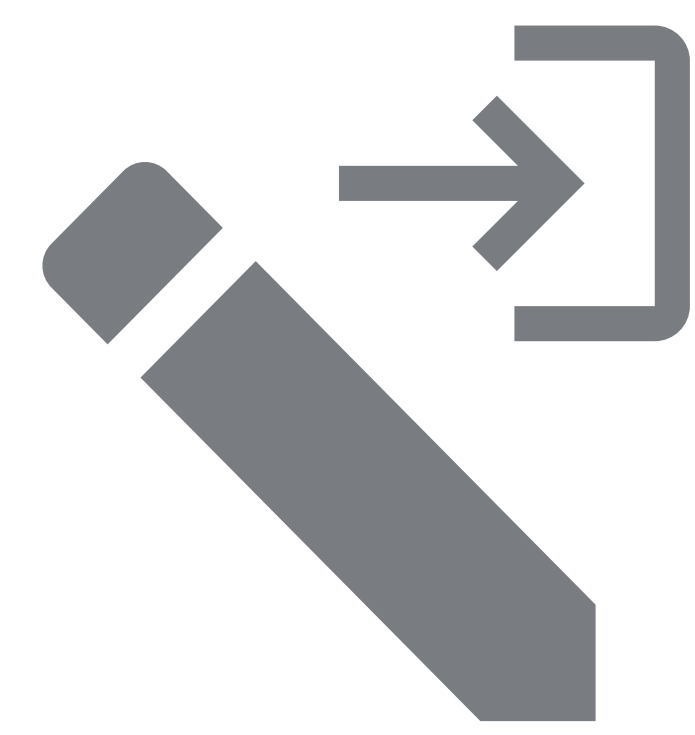


GLENWOOD SPRINGS - MITCHELL CREEK ELECTRIC TRANSMISSION LINE REBUILD

WELCOME TO OUR PUBLIC OPEN HOUSE



Please sign in at the
welcome table



Take a comment form



Enjoy some refreshments

No formal presentation is planned. Please review materials and let us know if we can answer any questions.

OVERVIEW



The Glenwood Springs – Mitchell Creek Electric Transmission Line Rebuild will rebuild a section of an existing 69-kilovolt transmission line in Glenwood Springs and Garfield County to replace aging infrastructure. The Project includes:

Anticipated Construction Schedule

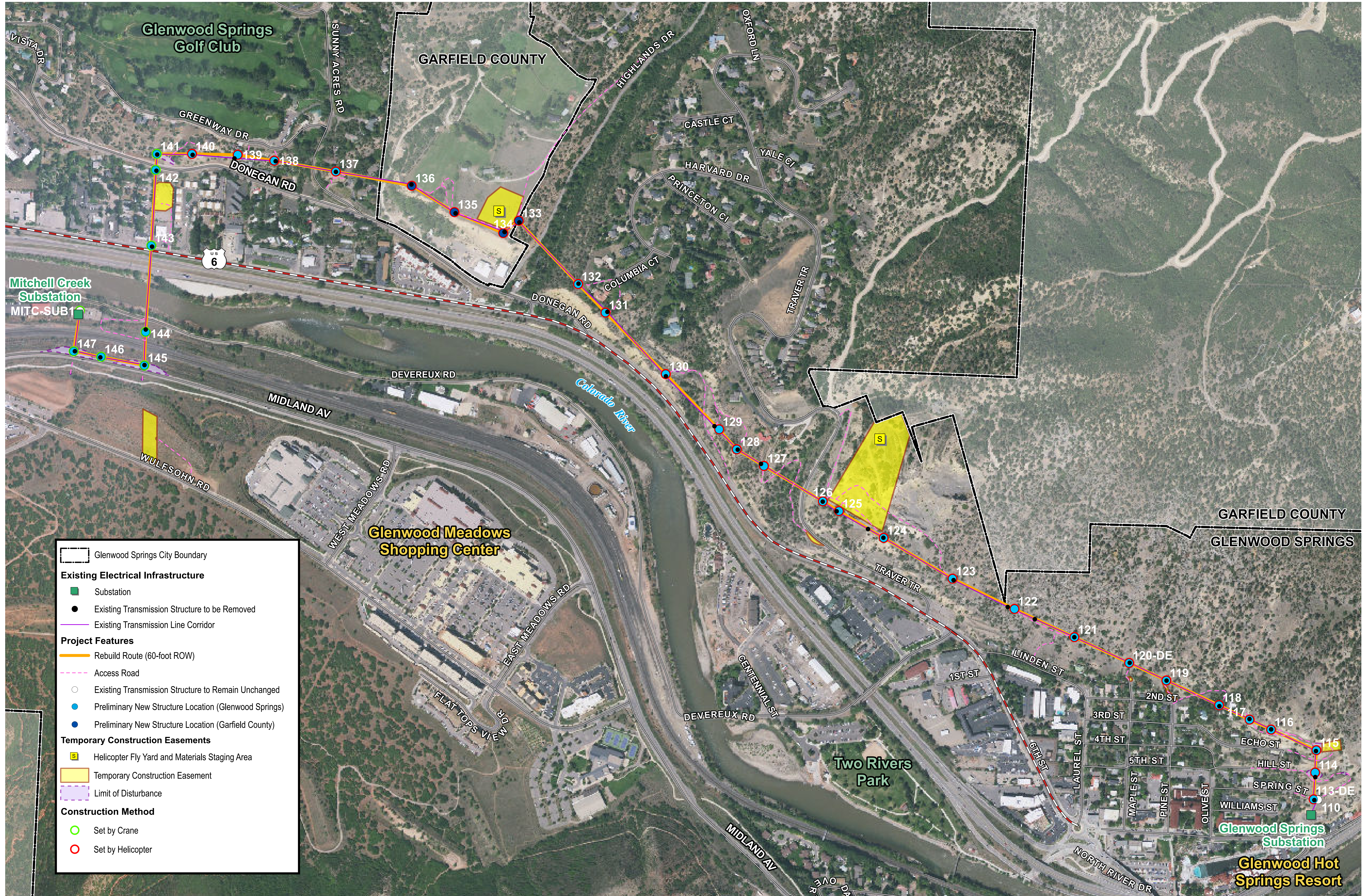
TIMELINE*	ACTIVITY
Winter 2021 (Complete)	Construction Material Delivery
Spring 2024	Permanent Improvements
Spring 2024	Vegetation Management
Spring 2024 - Summer 2024	Construction of Transmission Poles
Spring 2024 - Summer 2024	Removal of Existing Transmission Poles
Summer 2024	In Service
Summer 2024 - Fall 2024	Restoration

Public Hearing Schedule

DATE*	PUBLIC HEARINGS
Tuesday, December 12	City of Glenwood Springs Planning Commission Hearing (1041 Permit and Location & Extent Permit)
Thursday, January 4	City of Glenwood Springs City Council Hearing (1041 Permit)
To Be Determined	Garfield County Planning Commission Hearing (Location & Extent Permit)

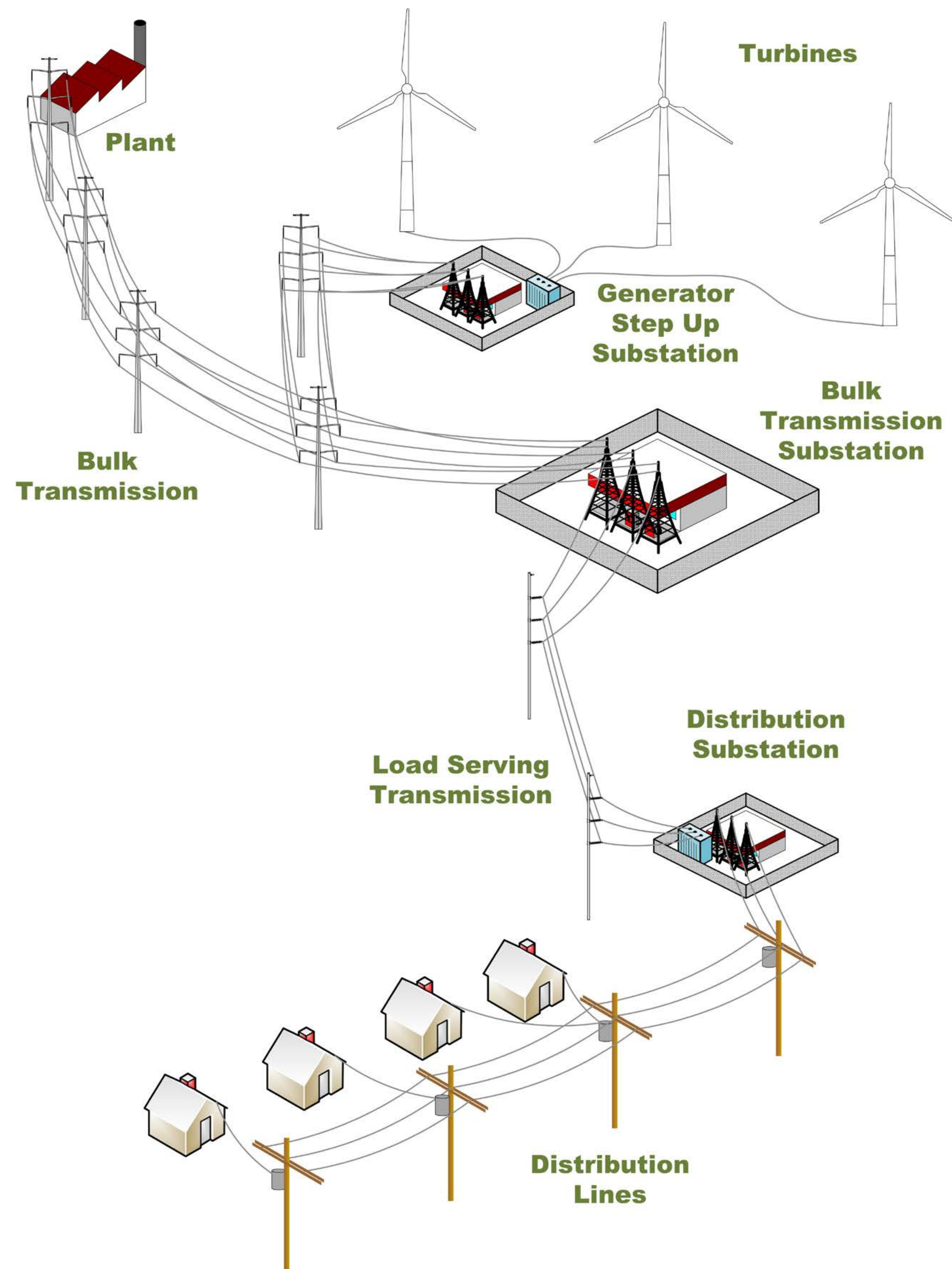
*These schedules are subject to change. Visit XcelEnergyGlenwoodRebuild.com for the latest schedule.

OVERVIEW MAP



NEED AND BENEFITS

Rebuilding the existing 69-kilovolt transmission line will replace aging infrastructure and ensure continued delivery of economic, safe and reliable electric service to customers in the Glenwood Springs area and western Colorado.



Transmission Line History

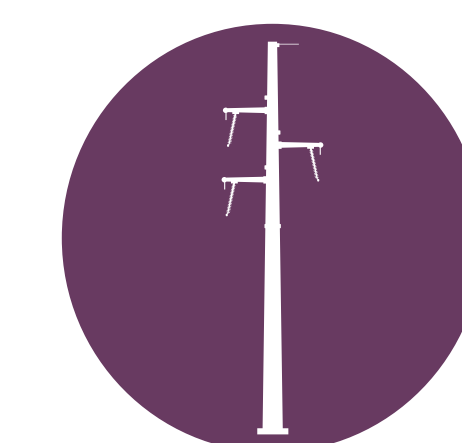
The existing transmission line was originally built in the 1940s, and a portion was rebuilt in the 1960s. The transmission line needs to be rebuilt because it has reached the end of its useful life.

Rebuild

The rebuilt transmission line will:



Utilize steel poles to reduce wildfire risk



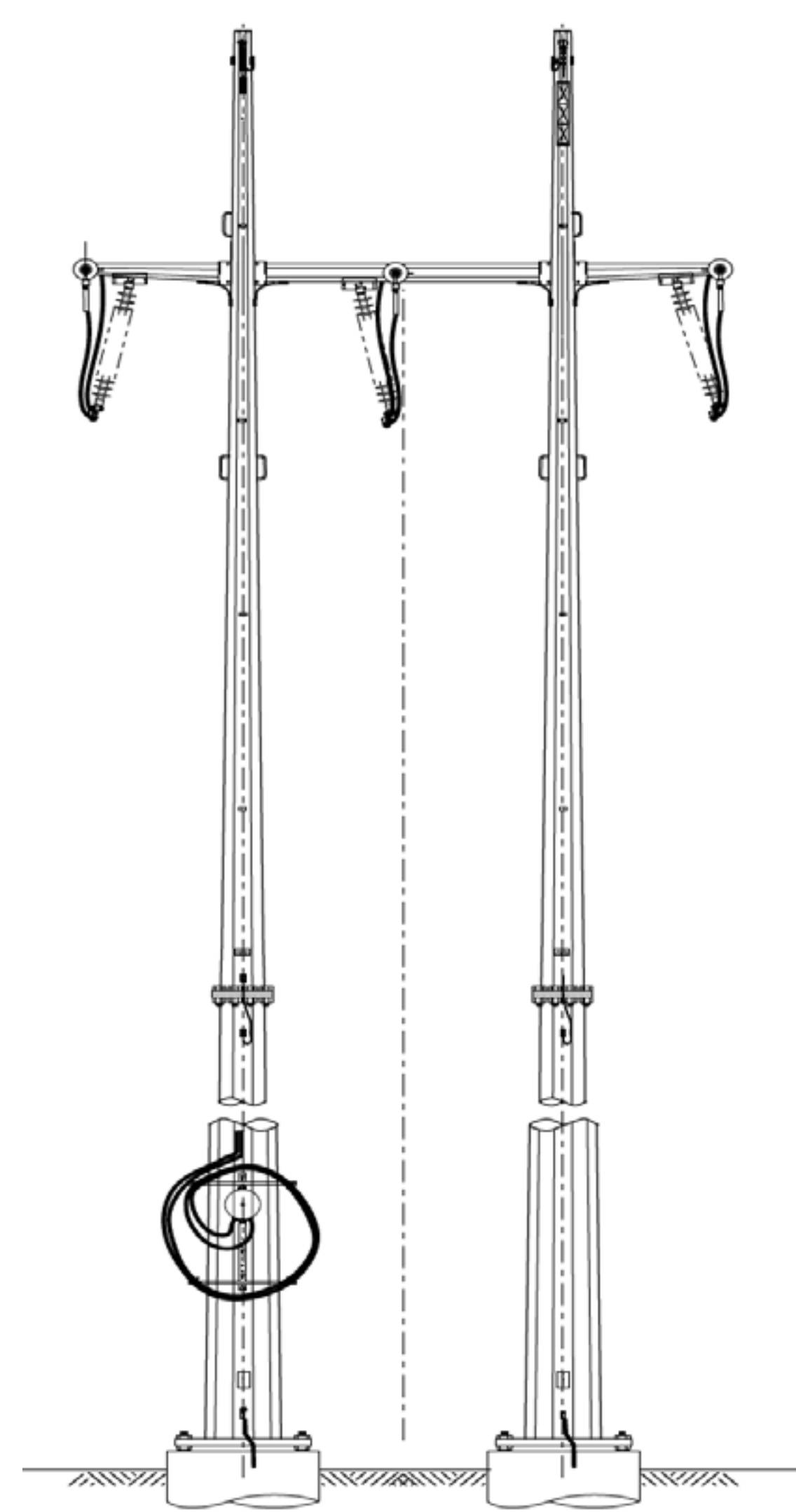
Be constructed with all new structures and wires

Energy Delivery in Glenwood Springs

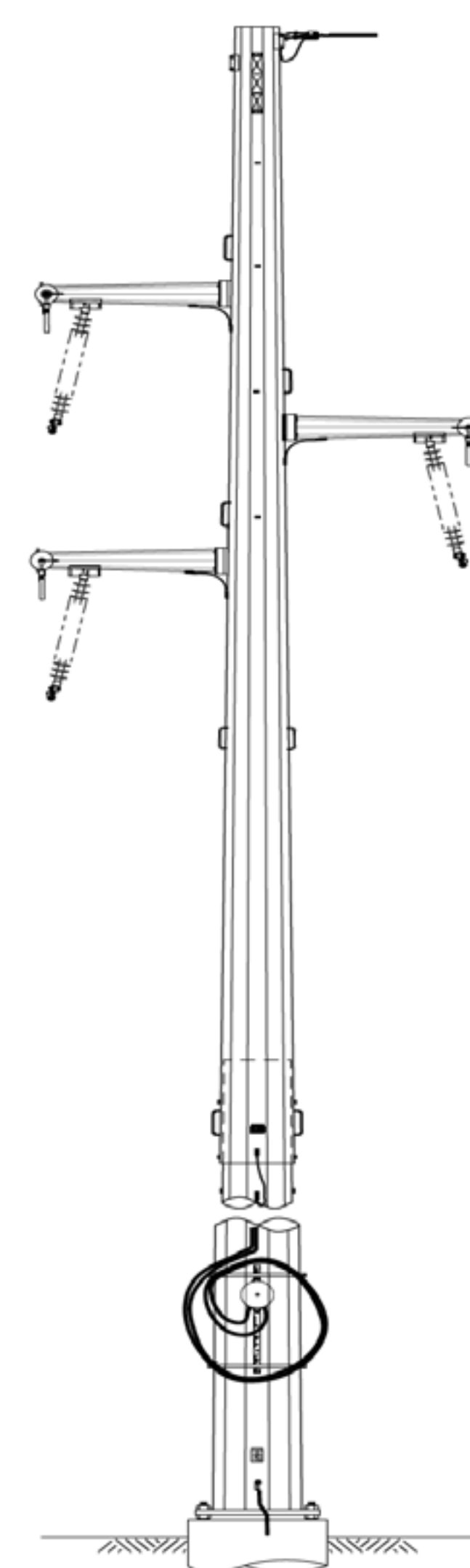
In Glenwood Springs, transmission lines owned by Xcel Energy deliver electricity to the Glenwood Springs Electric Department's substations and distribution system, which then serves local users. Glenwood Springs Electric Department purchases wholesale wind power from the Municipal Energy Agency of Nebraska to serve the city's power needs.

STRUCTURE DESIGN

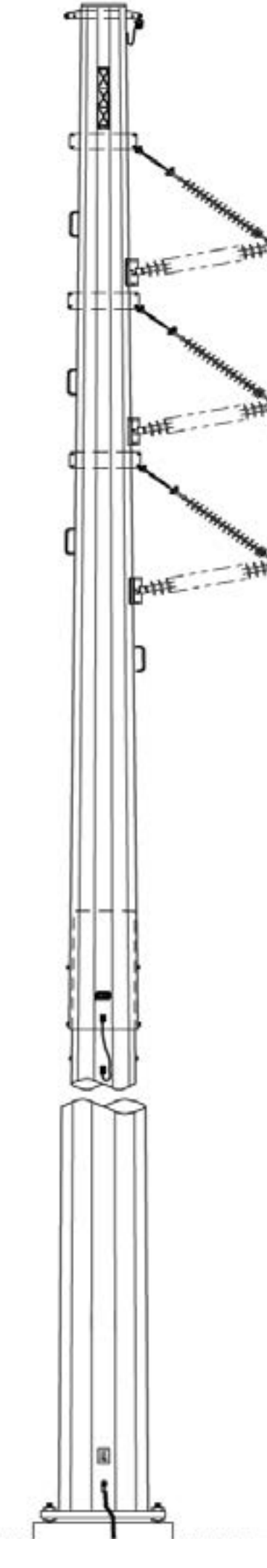
Xcel Energy studied alternatives for the transmission line location and evaluated technical design requirements and potential impacts on the environment, community, residents and businesses in Glenwood Springs. Rebuilding the line in its existing alignment was identified as the preferred alternative as it resulted in the fewest new impacts along the line.



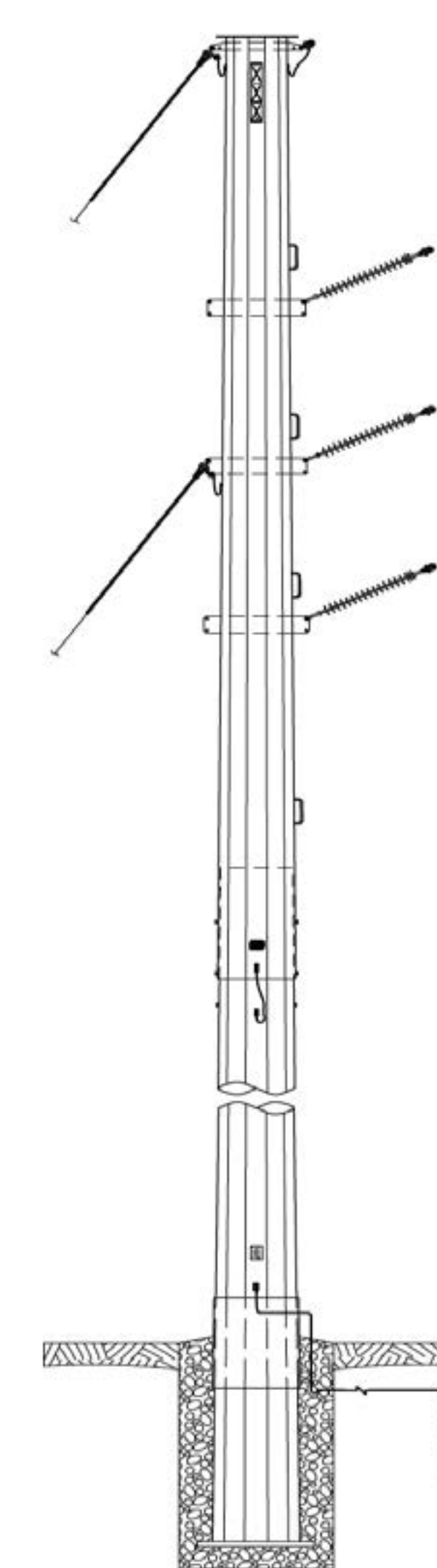
H-Frame Poles
(Only at Colorado River Crossing)



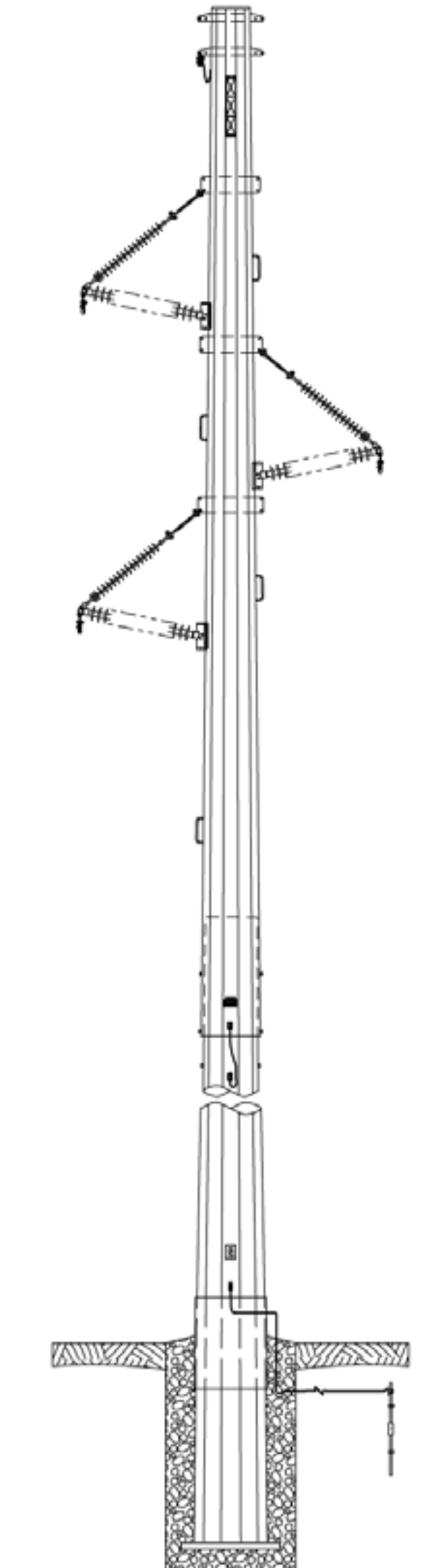
Angle Deadend Pole



Single Pole Angle



Single Pole Angle with Guy Wire



Single Pole Tangent

	Material, Color	Height	Access	Right-of-Way Width	Easements
Existing Design	Wood, brown	26 feet to 101.5 feet (average 47 feet)	Ground access for maintenance	30 feet for transmission line	Within existing easements
Explanation of Adjustments	Steel poles comply with updated design standards and wildfire protection	Increased height needed to comply with current design standards, including lightning protection	Where access is difficult, helicopters will be used to limit ground disturbance from new access road construction	Additional right-of-way needed to provide sufficient clearance to existing buildings and for construction and maintenance	Existing easements date back to as early as the 1920s
Rebuilt Design	Steel monopole (weathering), brown/rust	55 feet to 101.5 feet (average 66 feet)	Ground and helicopter access for construction, ground access for maintenance	60 feet for transmission line	Up to an additional 30 feet for transmission line, ground access for construction and maintenance

CONSTRUCTION

Sequencing

Set-up in Temporary Construction Easements (TCEs)

- TCEs can be used for the following activities:
 - Stage construction equipment and materials
 - Provide space for assembling structures and stringing and pulling conductor wire
- Two TCEs will be used as helicopter fly yards

Vegetation Management and Clearing

- Pruning, mowing and vegetation removal are necessary to create a safe, working, operational space around facilities
- Trees near electrical infrastructure can cause downed lines, power outages and wildfires
- We are communicating with landowners where vegetation will need to be removed

Install Structures and Conductor Wire

- Structures are assembled at designated TCEs, then transported to structure locations
- Cranes are used to lift structures into place
- Temporary pulley system pulls the conductor wire to each structure
- Conductor wire is attached to insulators
- Helicopters will be used to reduce the need for large equipment such as cranes in areas with limited access or working space

Restoration

- Restoration will be completed for areas disturbed by construction



HELICOPTER USE

Helicopters are used for transmission structure installation in areas with steep terrain and limited access. Transmission structures will be assembled at the Temporary Construction Easements, then transported by helicopter to each installation location.

This helicopter use is regulated by the Federal Aviation Administration (FAA).

- We will coordinate with the FAA and follow all regulations and safety requirements
- There are FAA restrictions on flying over occupied buildings, roads, and the operational Glenwood Gondola
- We will file a Congested Area Plan through the FAA to ensure safe evacuation of buildings during helicopter flights
- No interruption to electrical service is anticipated

More information will be provided as construction plans are completed including plans for communications with landowners and businesses.

Visit [XcelEnergyGlenwoodRebuild.com](https://www.xcelenergy.com/glenwood-rebuild) for updated information on construction plans.



WILDFIRE MITIGATION PROGRAM



We recognize that wildfires pose a significant year-round threat to our customers, communities and our state as a whole – and we are proactively implementing programs to minimize ignition risks associated with operating our system. As part of our commitment to safety, we're continually making strategic investments and improvements to support our power grid, build resilience and increase our awareness to mitigate wildfire risk.

Wildfire Mitigation Program Initiatives



System Hardening

- Performing **focused inspections** of assets like **poles** and **wires** in **Wildfire Risk Zones** to determine potential areas of concern.
- Replacing equipment and poles with **new, safer technology** and removing equipment that may create the potential for incidents that could lead to wildfire.
- Analyzing the strength of **transmission** and **distribution** structures to **withstand potential wind speeds** and **maintain adequate clearance**.
- Conducting **enhanced pruning** of trees and other vegetation around our infrastructure in **Wildfire Risk Zones** on our previously approved maintenance schedule.



Operational Awareness

- Early wildfire detection cameras, utilizing **panoramic, 360-degree camera networks** enhanced with artificial intelligence to **detect the presence of smoke**.
- **Risk modeling** to **prioritize** and **target wildfire mitigation efforts** and further refine our mitigation activities.
- **Wildfire Safety Settings** pilot, which **operates our system more conservatively** in limited areas when **wildfire conditions are elevated**.



Community Outreach

- **Collaboration** and **benchmarking** with the Electric Power Research Institute, Ediston Electric Institute, national labs and neighboring utilities.
- **Community and key stakeholder meetings**, especially in **high-fire threat communities** in the wildland-urban interface in mountain communities and front range areas with increased population living among more densely forested areas.
- **Communicating** with customers using **U.S. Mail, email, phone** and **social media**.

Contact the Wildfire Mitigation Program



info@XcelEnergyWildfireMitigation.com



833-352-0087



XcelEnergyWildfireMitigation.com

