

March 2024



# Blueprint South

## 500-kV Transmission Line Project



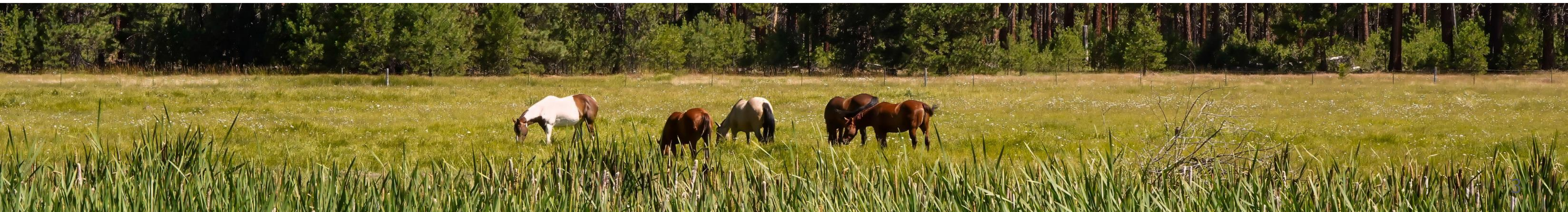
# Service Territory

- Pacific Power is one of two business units of PacifiCorp, owned by Berkshire Hathaway Energy.
- The Company is a utility regulated by the federal and state governments.
- Service territory - southern Washington, Oregon, and northern California.
- The Company serves approximately 243 communities in its service territory.



# Project Need

- Upgrade the existing transmission system backbone to enable integration of new generation resources and large-load additions from Pacific Northwest and Intermountain region interconnections.
- Continue to provide reliable service to customers in southern Oregon.
- Compliance with transmission system reliability standards.
- Serve third-party network customers when capacity is available.
- Provide operational flexibility for the bulk transmission system.



# Current and Estimated Future Load

- Current peak load demand 4,400 MW
- Estimated need for 2.2% growth by 2032 5,400 MW
- Large-load-addition requests by 2032 3,000 MW
- Total forecasted load in 10-year horizon >8,000 MW





**Project Components**

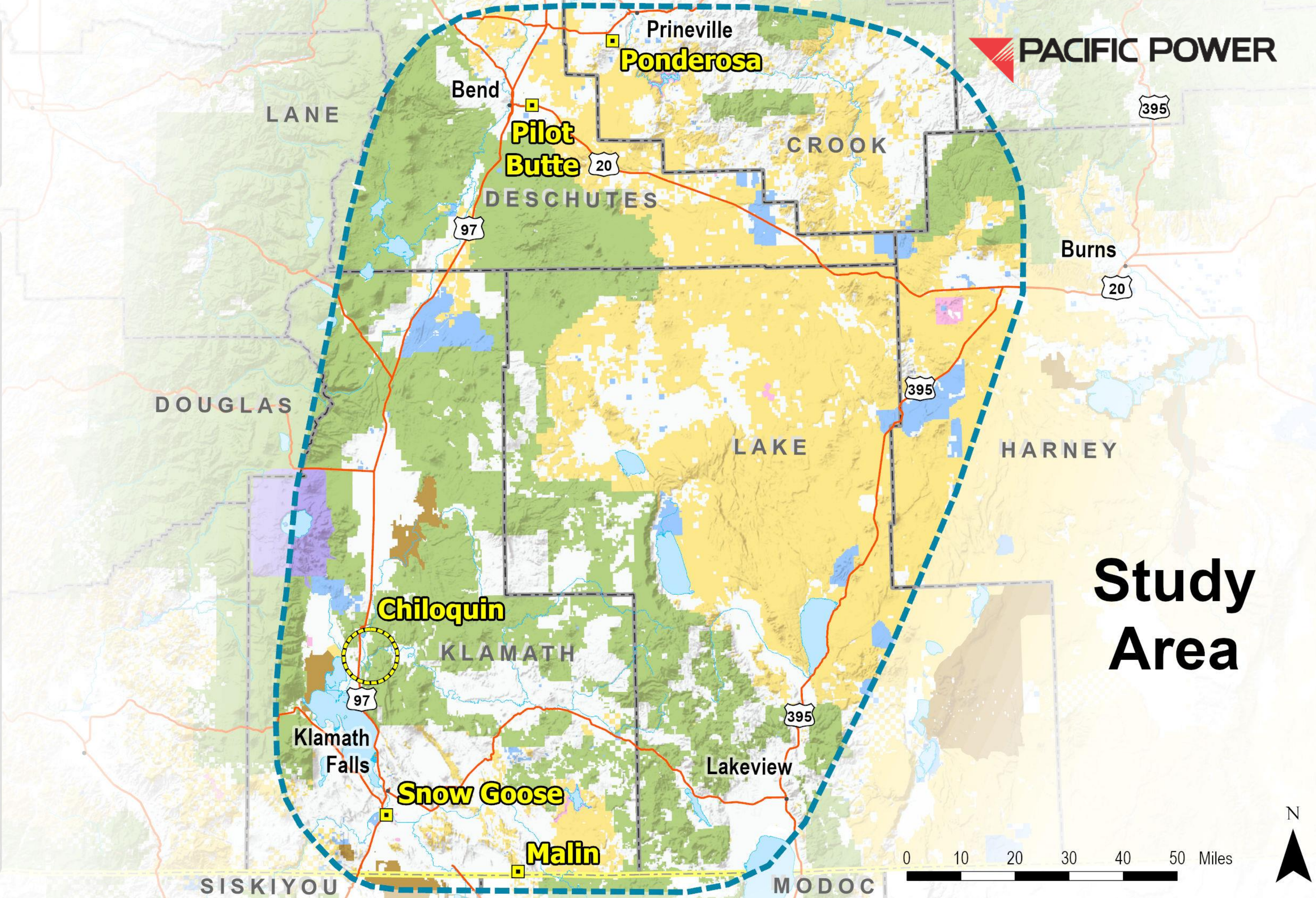
- Substation Interconnection Point
- 500 kV Substation Siting Area
- Blueprint South Study Area

**Reference Features**

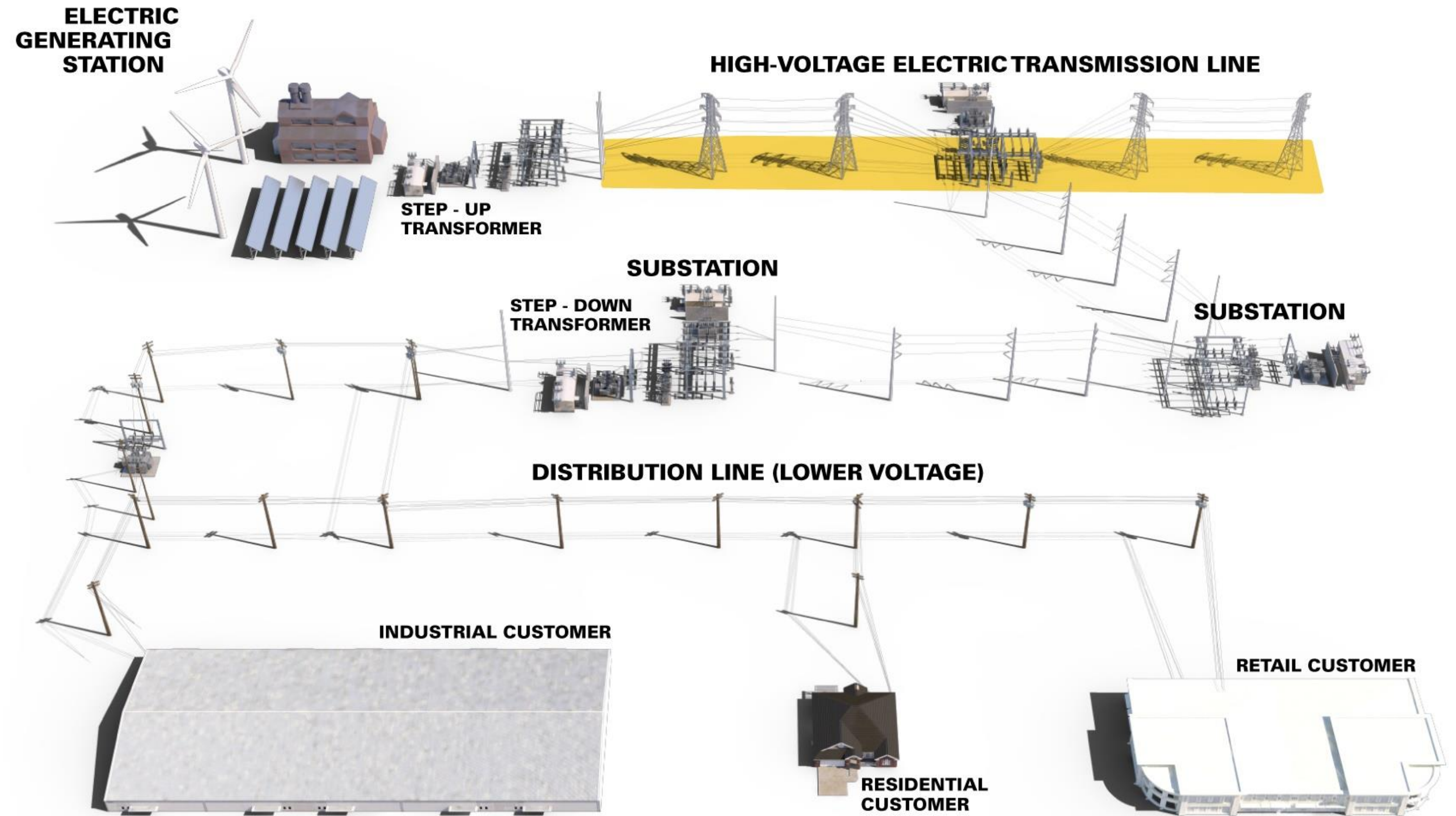
- Highway
- State Boundary
- County Boundary
- Waterbody

**Land Management**

- Bureau of Land Management
- National Park Service
- Private
- State
- U.S. Forest Service
- U.S. Fish & Wildlife Service
- Other Federal Land

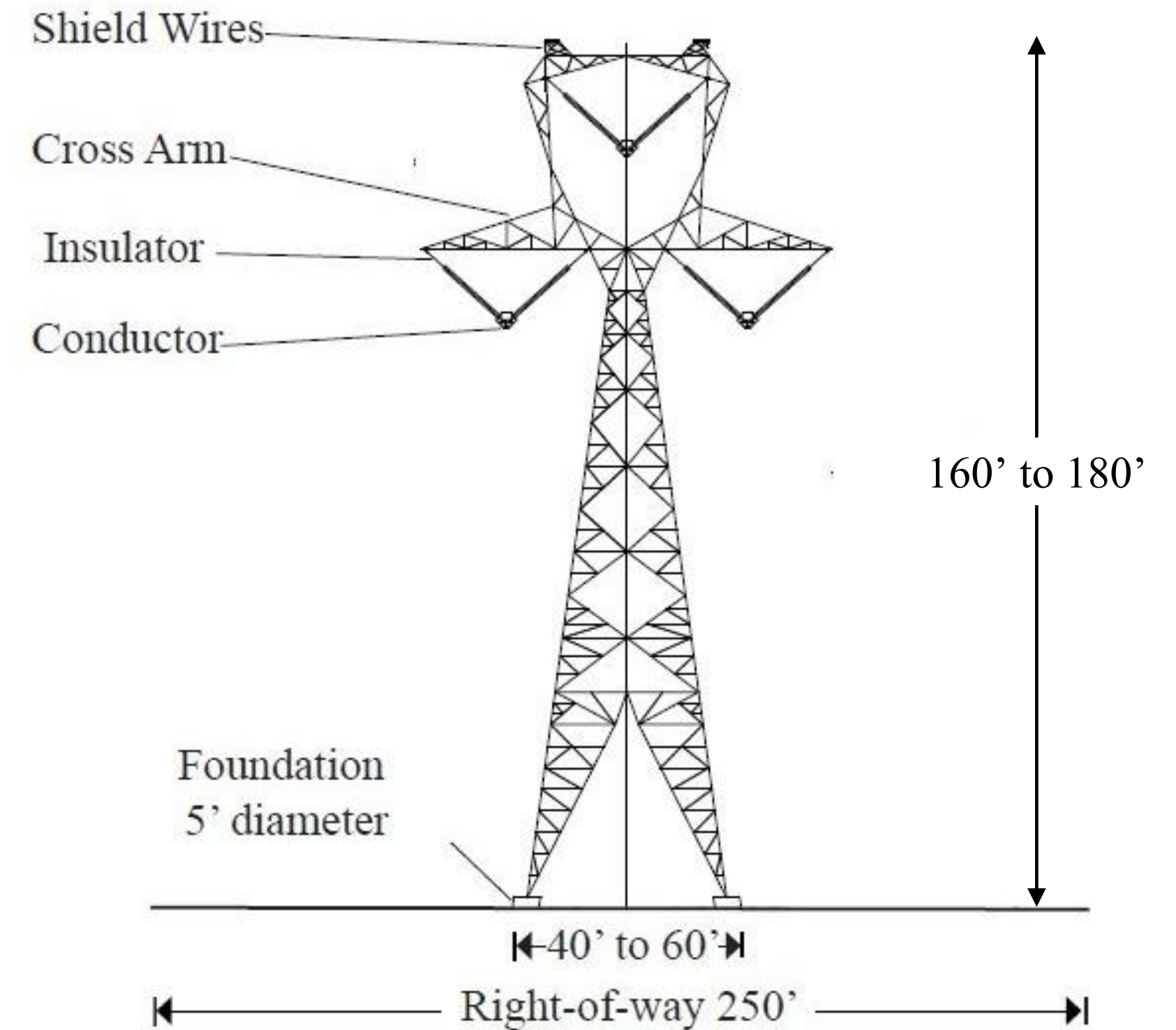


# From Generation Source to the Customer



# Typical Structure Type

- **Voltage:** 500 kV
- **Length:** Approximately 180 miles
- **Structure types:** Steel lattice, single circuit
- **Structure height:** 160 – 180 feet
- **Span between structures:** 800 to 1,400 feet
- **Right-of-way width:** 250 feet



# Routing Study

## Opportunities to optimize routing

- Parallel existing linear facilities (transmission lines, roads/highways, railroad).
- Use corridors designated by federal agencies for linear facilities.
- Route in areas of compatible land use (e.g., industrial, commercial), areas previously disturbed, and in federally designated corridors.
- Parallel section or property lines.
- Maximize use of existing adjacent, nearby access and areas compatible with overland travel.
- Areas that facilitate efficient and cost-effective transmission line design and construction.



# Routing Study

## Environmental and Technical Analysis

- Land ownership.
- Existing and planned land use.
- Scenic and aesthetic resources.
- Presence of protected species, critical habitat, conservation area, plants and wildlife.
- Floodplains, wetlands, water crossings.
- Known cultural resources (e.g., prehistoric, historic resources, Native American traditional use areas).
- Engineering factors (e.g., topography accessibility, constructability, potential geologic hazards, road and utility crossings).



# Routing Study Approach

We are here

-Purpose and Need  
-Project Description

-Public Outreach  
and Engagement  
Plan

-Routing Study Area  
-Data Collection

-Briefings

-Opportunities  
and Constraints  
Analysis

-Briefings  
-CWG Meeting1

-Preliminary  
Alternative  
Routes

-CWG Meeting 2  
-Public Open  
House 1

-Alternative Routes  
Comparison

-CWG Meeting 3  
-Public Open  
House 2

-Preferred Route  
Selection

-CWG Meeting 4

# Evaluation Factors



# Public Outreach and Engagement



Fact Sheet



FAQ's



Website Content



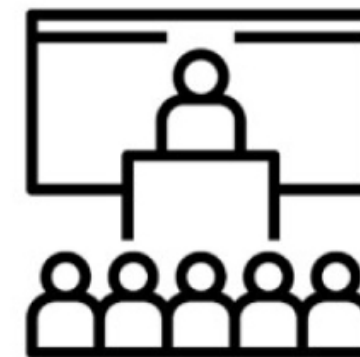
Information  
Phone Line



Briefings/  
Community Working  
Groups



Notifications/  
Mailing List



Public Meetings/  
Hearings



Email

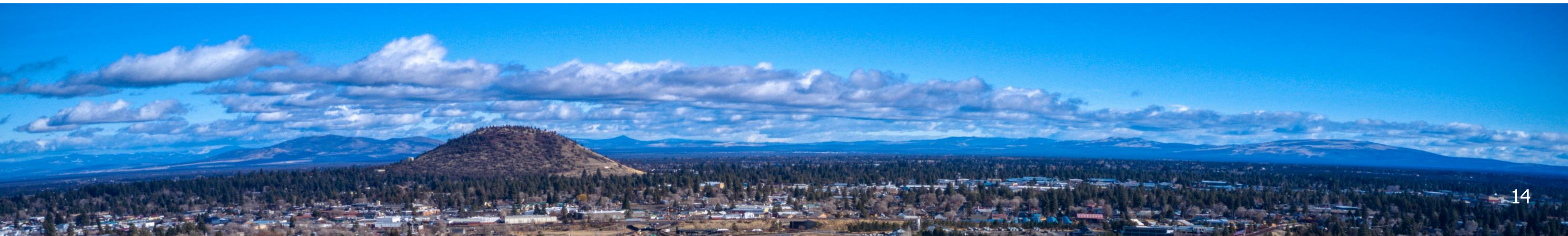
# Permitting and Approvals

- Oregon Energy Facility Siting Council (EFSC) Site Certificate – Oregon Department of Energy.
- National Environmental Policy Act (NEPA) EIS and Record of Decision.
- Certificate of Public Convenience and Necessity (CPCN) – Oregon Public Utilities Commission.
- Other required federal, state, and local permits not required by EFSC.



# Preliminary Schedule

- Routing Study.....2023 – 2024
- Permitting.....2025 – 2028
- Land Acquisition.....2028 – 2029
- Construction.....2029 – 2031
- In Service.....2032





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