

Plan of Development Outline
High-Voltage
Electric Transmission Lines

1. Project Description

- a. Introduction
 - Describe the facility, use, voltage(s), number of circuits
 - Applicant's schedule for project, including anticipated timelines for permitting and construction and operation
- b. Applicant's Interests and Objectives for the Project
 - Include background on the applicant's interests and objectives
 - Identify if for distribution or transmission purposes
 - If part of an Integrated Resource Plan (IRP), include relevant information and text from the IRP and information about the approval of the IRP
 - Information about other review of project by public utility commission(s), if applicable
 - Information about any transmission planning efforts that have indicated the proposed facilities are necessary and/or would be helpful for the larger transmission system, if applicable
- c. Project Location
 - Legal land description for proposed route (minimum of 2-mile wide study area), separated by land status and/or jurisdiction
 - Legal land description for each alternative route identified, separated by land status and/or jurisdiction
 - Length, width, and acreage (long-term and short-term construction area(s))
 - For longer projects, must identify at a minimum a proposed study corridor route (no greater than 2 miles in width). (*)
 - Legal land description, length, width, and acreage for all related project infrastructure, separated by land status and/or jurisdiction (*)
- d. General Facility Description, Design and Operation
 - Identify the major users along the route (i.e., mines, cities, agricultural projects)
 - Identify if overhead and/or buried construction
 - Identify the origin and termination points
 - Provide alternative routes
 - Describe type and height of structures and cross-arm configuration, spacing of structures, structural materials
 - Include diagrams for each type of structure with dimensions included and indicating conductor placement/configuration
 - Include clearance requirements with respect to temperature, wind, voltage, span, and structure heights
 - Provide justification for any separation distances being requested along alignment
 - Identify temporary use areas needed for construction (*)

- If applicable, identify existing right-of-way that this use is ancillary for
- If the project involves an interconnection request, a description of the interconnection request, including, but not limited to, the names of the entities involved in the request, such as transmission facility owners, independent system operators, or any other relevant entities, and the status of that request, including queue position and estimated date the transmission facility owner(s) expect to be ready to provide service. If any or all of this information is unknown, provide a timeline estimate of when the information will be submitted.
- e. Related Infrastructure
 - Existing related components on and off public lands
 - Possible future related components on and off public lands (*)
 - Location of substations (proposed and existing)
 - Long-term and temporary access – length, width, and acreage of roadways, if using existing roadways identify if improvements are needed, specify for all access if it is long-term or temporary construction access (*)
 - Communication facilities (i.e., fiber optic line, microwave)
 - Location of equipment storage areas (*)
- f. Other Federal, State and Local Agency Involvement
 - Involvement of other Federal (i.e., Department of Energy), State, and local agencies
 - Identify all required permits (entire project – Federal and non-Federal)
 - Status of permits
 - Decision (apply or not apply) related to Eagle Take Permit and Status of coordination with FWS regard permit if plan to obtain

2. Construction of Facilities

- a. Construction (brief description of process and types of vehicles)
- b. Work force (number of people and vehicles) (*)
- c. Flagging or staking of the right-of-way (*)
- d. Pre-disturbance survey activities, as appropriate (i.e., plant, wildlife, cultural) (*)
- e. Plan for identification, marking, and protection of land boundary monuments, markers, and signs (*)
- f. Describe type and amount of water use for construction (*)
- g. Clearing and grading activities (*)
- h. Description of construction process for ancillary facilities (i.e., substations)
- i. Access to and along the right-of-way during construction – length, width, and acreage and if using existing roadway identify any improvements needed (*)
- j. Use of helicopters for stringing conductors and/or framing towers, if applicable
 - Map designating the flight path, if it will not follow the right-of-way
- k. Location and size of framing pads and turn around pads (*)
- l. Access to framing pads (*)
- m. Contingency planning (*)
 - Holder contacts
 - Bureau of Land Management (BLM) contacts
- n. Safety requirements (*)

- o. Soil replacement, stabilization, recountouring, and revegetation of disturbed areas (*)
- p. Disposal of vegetation removed during construction (i.e., trees, shrubs) (*)
- q. Seeding specifications (*)
- r. Fertilizer (*)
- s. Limiting access to the right-of-way, if applicable (*)
- t. Reclamation of roadways built for access during construction, if applicable (*)
- u. Identify any industrial wastes and toxic substances

3. Operations, Maintenance and Decommissioning

- a. Operations and Maintenance
 - Safety (*)
 - Identify any industrial wastes and toxic substances
 - Inspection and maintenance schedules (*)
 - Plan for identification, marking, and protection of land boundary monuments, markers, and signs (*)
 - Work schedules (*)
 - Fire control (*)
 - Long-term access (*)
 - Signs (*)
 - Inspections – ground and/or aircraft (if by aircraft, describe land strip/heliport locations) (*)
 - Contingency planning (*)
- b. Decommissioning
 - Removal of structures (*)
 - Reclamation of roadways, tower pads (*)
 - Soil replacement, stabilization, re-contouring, and revegetation of disturbed areas (*)

4. Resource Considerations

- a. General description of site characteristics and potential resources issues (existing information)
 - Special or sensitive species and habitats
 - Special land use designations
 - Cultural and historic resource sites and values
 - Native American Tribal concerns
 - Recreation
 - Air quality
 - Noise
 - Geologic hazards
 - Mineral and energy resources
 - Paleontological resources
 - Soils
 - Water quality and/or use
 - Vegetation
 - Visual resources

- Potential conflicts with other approved or proposed uses of the lands
- Other environmental considerations
- Project located in potential eagle habitat
- b. Anticipated conflicts with public health and/or safety
- c. Location with regard to existing designated utility corridors
- d. List and describe design features proposed to avoid, minimize, and/or compensate for resource impacts

5. Communications

- a. Identify contractor/company hired to coordinate communications and public outreach on behalf of the applicant, if applicable
- b. Describe any communication and/or public outreach that has been conducted for the project
- c. Describe the applicant's plan for communications and public outreach

6. Maps and Drawings

- a. Map(s) of facilities and alternatives (including the electric transmission line, substations sites, and locations of other related infrastructure) that shows the section(s), township(s), and range(s) within which the project is to be located. The map(s) should show the land status and/or jurisdiction along the proposed alignment and any alternatives. Show the proposed location of the project (including related facilities) on the map(s) as accurately as possible.
- b. Access and transportation map(s)
- c. Site-specific engineering surveys for critical areas (in addition to normal centerline surveys) (*)
- d. Include GIS shapefiles or line data for the project, if available

(*) – Information that may not be available at the time of application submittal. These items should be in place before the BLM approves a final plan of development, but are not necessary for determination of a complete application or for initiating the National Environmental Policy Act compliance process.