

**ENVIRONMENTAL REVIEW FOR CATEGORICAL EXCLUSION DETERMINATION**

**Rocky Mountain Region, Western Area Power Administration**

**Sterling-Sidney 115-kV Transmission Line  
Optical Ground Wire (OPGW) Installation  
Logan County, Colorado and Cheyenne County, Nebraska  
Project Number: 2018-083  
Expiration Date: December 31, 2022**

**A. Brief Description of Proposal:** Western Area Power Administration (WAPA), Rocky Mountain Region (RMR), proposes to install new optical ground wire (OPGW) on WAPA’s existing Sterling-Sidney (STG-SD) 115-kV Transmission Line. The OPGW would be installed on the entire 39-mile Transmission Line, between the Sidney (SD) Substation in Cheyenne County, Nebraska, and the Sterling (STG) Substation in Logan County, Colorado. Installation of the new OPGW would include removal of the existing overhead ground wire (OGW) on the east side of the transmission structures, installation of the new OPGW on the east side of the transmission structures, termination and splicing of the OPGW at regular intervals along the transmission line, and testing of the OPGW. The new OPGW would not be visibly different from the existing OGW. The project would also include installation of high density polyethylene (HDPE) conduit and fiber optic cable at the SD, STG, and Peetz (PZ) Substations, and replacement of vibration dampers and miscellaneous transmission line hardware on the existing transmission line structures. This project is part of WAPA’s ongoing program to update and improve its communication system. Work would be restricted to the existing STG-SD right-of-way (ROW) and no roadwork would occur. All or part of this work may be performed by a Contractor.

**B. Number and Title of the Categorical Exclusion Being Applied:** (See text in 10 CFR Part 1021, Subpart D.)

B4.7 Fiber Optic Cable

**C. Regulatory Requirements in 10 CFR Part 1021.410 (b):** (See full text in regulation and attached checklist.)

1) The proposed action fits within a class of actions listed in Appendix A or B to Subpart D.

For classes of actions listed in Appendix B, the following conditions are integral elements. To fit within a class, the proposal must not:

- Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders;
- Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities;
- Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases;

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- Have the potential to cause significant impacts on environmentally sensitive resources. An environmentally sensitive resource is typically a resource that has been identified as needing protection through Executive Order, statute, or regulation by Federal, State, or local government, or a federally recognized Indian tribe. An action may be categorically excluded if, although sensitive resources are present, the action would not have the potential to cause significant impacts on those resources (such as construction of a building with its foundation well above a sole-source aquifer or upland surface soil removal on a site that has wetlands). Environmentally sensitive resources include, but are not limited to, those listed in paragraph B. (4) (see Attachment A).
- 2) There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.
- 3) The proposal is not “connected” to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR Part 1506.1 or 10 CFR Part 1021.211.

**D. Special Stipulations Pertaining to the Proposal:**

- 1) If the scope of work of this project changes, RMR’s Environment Department must be contacted to determine whether additional environmental review is required.
- 2) **This Categorical Exclusion expires on December 31, 2022.** If all project work has not been completed by the expiration date, or if the need for an environmental compliance extension is anticipated, RMR’s Environment Department must be contacted for an updated environmental review.
- 3) The Contractor must avoid disturbance of environmentally sensitive areas within the following spans of Structures:

<b>Structure Numbers</b>	
1/2 – 1/3	19/5 – 19/6
1/5 – 1/6	20/2 (350 ft. buffer around structure)
3/7 – 4/2	20/5 – 20/7
5/1 – 5/2	21/4 (350 ft. buffer around structure)
5/7 – 6/1	22/2 – 22/3
6/4 – 6/5	277 – 278
7/3 – 7/8	283 – 285
9/8 – 9/9	292 – 293
14/7 – 14/8	294 (350 ft. buffer around structure)
18/4 – 18/7	

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No fueling, pulling sites, staging, or storage areas may be placed within the aforementioned spans unless approved by WAPA's Environment Department. If the Contractor wishes to place fueling, pulling, staging, or storage areas within any of the aforementioned spans, the Contractor must allow WAPA a minimum of 60-days, after receipt of the proposed site, to coordinate with the appropriate agencies and review and environmentally clear the area.

- 4) The Contractor must not use any earth moving or blading equipment to make any improvements to the existing access roads. All vehicles used on the ROW access roads must be rubber tired. If road improvements or staging areas are necessary, the Contractor must submit a detailed description of the improvements to WAPA for environmental review and approval 60-days prior to construction.
- 5) Any injured or orphaned birds, and all active nest relocations, must be immediately reported to the RMR Avian Protection Leads at (970) 593-8803 or (970) 278-7119. Any dead birds must be reported to the RMR Avian Protection Leads within twenty-four (24) hours of discovery. Additional documentation, such as photographs and GPS coordinates, may be requested to support RMR's reporting requirements to the U.S. Fish and Wildlife Service.
- 6) Transmission line and substation components must be designed and constructed in conformance with the most current editions of *Suggested Practices for Avian Protection on Power Lines* and *Reducing Avian Collisions with Power Lines*, both published by the Avian Power Line Interaction Committee (APLIC), to minimize avian collision and electrocution risk while maintaining safe and reliable electrical service.
- 7) If any cultural resources are inadvertently discovered during implementation of the proposed action, work within 100-feet of the discovery area must halt immediately, RMR's Archaeologist must be contacted immediately. Work in the area of discovery must not resume until notification to proceed is provided by RMR's Archaeologist.
- 8) If any possible human remains are inadvertently discovered during implementation of the proposed action, work within 100-feet of the discovery area must halt immediately and RMR's Archaeologist must be notified immediately by telephone (no later than 24 hours from the time of discovery). A reasonable effort must be made to protect the remains from looting and/or further damage. Work in the area of discovery must not resume until notification to proceed is provided by RMR's Archaeologist.
- 9) To prevent the transport of non-native and invasive plants and animals, including noxious weeds and aquatic nuisance species, work crews must thoroughly wash all vehicles and equipment (trailers, trucks, UTVs, etc.) before entering the action area and working on the project.

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10) Activities involving the use of fuel, oil, hydraulic fluid, or other petroleum products must comply with RMR's Spill Response Plan (SRP).

E. **Determination:** Based on my review of information provided to me and in my possession concerning the proposed action, I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is categorically excluded from requirements for an EA or an EIS.

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Signature and Date

Brian Little  
NEPA Compliance Officer  
Rocky Mountain Customer Service Region  
Western Area Power Administration

Prepared by: Erik Bray

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**ATTACHMENT A  
Conditions That Are Integral Elements of the Classes  
of Actions in Appendix B That Apply to This Proposal**  
Checklist for Categorical Exclusion Determination, revised Nov. 2011

<b>Application of Categorical Exclusions (1021.410)</b>	Disagree	Agree	Unknown
(b)(1) The proposal fits within a class of actions that is listed in appendix B to subpart D.		X	
(b)(2) There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal, including, but not limited to, scientific controversy about the environmental effects of the proposal; uncertain effects or effects involving unique or unknown risks; and unresolved conflicts concerning alternate uses of available resources.		X	
(b)(3) The proposal has not been segmented to meet the definition of a categorical exclusion. Segmentation can occur when a proposal is broken down into small parts in order to avoid the appearance of significance of the total action. The scope of a proposal must include the consideration of connected and cumulative actions, that is, the proposal is not connected to other actions with potentially significant impacts (40 CFR Part 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR Part 1508.27(b)(7)), and is not precluded by 40 CFR Part 1506.1 or § 1021.211 of this part concerning limitations on actions during EIS preparation.		X	
<b>B. Conditions that are Integral Elements of the Classes of Actions in Appendix B.</b>	NO	YES	Unknown
(1) Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety and health, or similar requirements of DOE or Executive Orders.	X		
(2) Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities.	X		
(3) Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases.	X		
(4) Have the potential to cause significant impacts on environmentally sensitive resources. An environmentally sensitive resource is typically a resource that has been identified	X		

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as needing protection through Executive Order, statute, or regulation by Federal, State, or local government, or a federally-recognized Indian tribe. An action may be categorically excluded if, although sensitive resources are present, the action would not have the potential to cause significant impacts on those resources (such as construction of a building with its foundation well above a sole-source aquifer or upland surface soil removal on a site that has wetlands). Environmentally sensitive resources include, but are not limited to:			
(i) Property (such as sites, buildings, structures, and objects) of historic, archaeological, or architectural significance designated by a Federal, State, or local government, or property determined to be eligible for listing on the National Register of Historic Places;	X		
(ii) Federally-listed threatened or endangered species or their habitat (including critical habitat) or Federally-proposed or candidate species or their habitat (Endangered Species Act); state-listed or State-proposed endangered or threatened species or their habitat; Federally-protected marine mammals and Essential Fish Habitat (Marine Mammal Protection Act; Magnuson-Stevens Fishery Conservation and Management Act); and otherwise Federally-protected species (such as under the Bald and Golden Eagle Protection Act or the Migratory Bird Treaty Act);	X		
(iii) Floodplains and wetlands (as defined in 10 CFR Part 1022.4, —Compliance with Floodplain and Wetland Environmental Review Requirements: “Definitions,” or its successor);	X		
(iv) Areas having a special designation such as Federally- and state-designated wilderness areas, national parks, national monuments, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, scenic areas (such as National Scenic and Historic Trails or National Scenic Areas), and marine sanctuaries;	X		
(v) Prime or unique farmland, or other farmland of statewide or local importance, as defined at 7 CFR Part 658.2(a), —Farmland Protection Policy Act: Definitions, or its successor;	X		
(vi) Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region); and	X		
(vii) Tundra, coral reefs, or rain forests; or	X		

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(5) Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.	X		
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