

# ENVIRONMENTAL REVIEW FOR CATEGORICAL EXCLUSION DETERMINATION

## Rocky Mountain Region, Western Area Power Administration

### Great Cut-McPhee 12.5-kV Fiber Optic Line Replacement

#### Montezuma County, Colorado

- A. **Brief Description of Proposal:** Western Area Power Administration (Western) proposes to replace an existing damaged fiber optic line on the Great Cut-McPhee 12.5-kV Transmission Line from the Great Cut Substation (structure 0/0) to the Dolores Water District Building near structure 4/21. The distribution line crosses the San Juan National Forest lands from the Great Cut Substation north to the Dolores River. In order to allow access by bucket trucks or manual pole climbing by crews, the oak brush around several structures would be removed either by hand or by a skid steer loader mounted with a hydro mulch grinder. Oak brush under the distribution line which poses an electrical hazard will also be removed. Structure 4/5 would be replaced and anchors added to stabilize the structure. Forest Service Road No. 500 would be lightly bladed with a grader beginning at the locked gate entrance off of County Road X north to structure 3/5. From structure 3/5 the access road under the distribution line would be graded up to structure 4/1 to smooth out ruts and provide safe access for equipment and vehicles. Dense oak brush encroaching on the access road would be removed. Structures 4/2 to 4/21 are located in the rugged Dolores River Canyon and will be climbed manually to secure the fiber optic line. Vegetation around these structures would be removed, as needed, by hand to provide access for climbing. A fiber pulling site will be established near structure 4/1.

All work will be confined to Western's right-of-way easement. Existing access roads would be used and no new roads are proposed. Temporary overland travel may be required in certain locations to access the structures with a rubber-tired bucket truck. Those structures not safely accessible with a bucket truck will be manually climbed. Maintenance equipment utilized would be rubber-tired trucks and trailers, bucket trucks, motor grader, and a skid steer loader.

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

#### **B1.3. Routine Maintenance**

**Routine maintenance activities** and custodial services for buildings, **structures, rights-of-way, infrastructures (including, but not limited to, pathways, roads, and railroads)**, vehicles and equipment, and **localized vegetation** and pest control, during which operations may be suspended and resumed, provided that the activities would be conducted in a manner in accordance with applicable requirements. Custodial services are activities to preserve facility appearance, working conditions, and sanitation (such as cleaning, window washing, lawn mowing, trash collection, painting, and snow removal). **Routine maintenance activities, corrective (that is, repair), preventive, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for a facility to be used for its designated purpose.** Such maintenance may occur as a result of severe weather (such as hurricanes, floods, and tornados), wildfires, and other such events. **Routine maintenance may result in replacement to the extent that replacement is in-kind and is not a substantial upgrade or improvement.** In-kind replacement includes installation of new components to replace outmoded components, provided that the replacement does not result in a significant change in the expected useful life, design capacity, or function of the facility.

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Routine maintenance does not include replacement of a major component that significantly extends the originally intended useful life of a facility (for example, it does not include the replacement of a reactor vessel near the end of its useful life). Routine maintenance activities include, but are not limited to:

- (a) Repair or replacement of facility equipment, such as lathes, mills, pumps, and presses;
- (b) Door and window repair or replacement;
- (c) Wall, ceiling, or floor repair or replacement;
- (d) Reroofing;
- (e) Plumbing, electrical utility, lighting, and telephone service repair or replacement;
- (f) Routine replacement of high-efficiency particulate air filters;
- (g) Inspection and/or treatment of currently installed utility poles;
- (h) **Repair of road embankments;**
- (i) Repair or replacement of fire protection sprinkler systems;
- (j) **Road** and parking area resurfacing, including construction of temporary access to facilitate resurfacing, and **scrapping and grading of unpaved surfaces;**
- (k) Erosion control and soil stabilization measures (such as reseeded, gabions, grading, and revegetation);
- (l) Surveillance and maintenance of surplus facilities in accordance with DOE Order 35.1, "Radioactive Waste Management," or its successor;
- (m) **Repair and maintenance of transmission facilities, such as replacement of** conductors of the same nominal voltage, **poles**, circuit breakers, transformers, capacitors, crossarms, insulators, and downed powerlines, in accordance, where appropriate, with 40 CFR part 761 ("Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions") or its successor;
- (n) Routine testing and calibration of facility components, subsystems, or portable equipment (such as control valves, in-core monitoring devices, transformers, capacitors, monitoring wells, lysimeters, weather stations, and flumes);
- (o) Routine decontamination of the surfaces of equipment, rooms, hot cells, or other interior surfaces of buildings (by such activities as wiping with rags, using strippable latex, and minor vacuuming), and removal of contaminated intact equipment and other materials (not including spent nuclear fuel or special nuclear material in nuclear reactors); and
- (p) Removal of debris.

#### B4.7 Fiber Optic Cable

**Adding fiber optic cables to transmission facilities or burying fiber optic cable in existing powerline or pipeline rights-of-way.** Covered actions may include associated vaults and pulling and tensioning sites outside of rights-of-way in nearby previously disturbed or developed areas.

#### C. Regulatory Requirements in 10 CFR 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.

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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; and
  - 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 1506.1 or 10 CFR 1021.211.

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

If the scope of work of this project changes, Western’s Environmental Division must be contacted for additional environmental review.

This Categorical Exclusion is valid for the 2013 field season. If construction has not commenced within that time, Western’s Environmental Division must be contacted for an updated environmental review prior to construction.

**Any ground disturbing activities including roadwork under this Categorical Exclusion must avoid Western identified sensitive environmental sites in the area. Maintenance crews will coordinate with Western’s environmental staff or their Contractors to assure avoidance and monitoring of sensitive sites. The presence of a Western environmental monitor or their Contractor is required during all work activities.**

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**Brush clearing in areas within the boundaries of known sensitive environmental sites will be conducted by hand. No motorized equipment will be allowed. Road maintenance will not be allowed within sensitive environmental site boundaries. These areas will be flagged by the environmental monitor as needed.**

Western has a Programmatic Agreement (PA) with the Advisory Council on Historic Preservation, State Historic Preservation Offices, Federal Agencies and Tribes in Western’s Rocky Mountain Region. The PA addresses impacts of routine maintenance of transmission lines, substations and other facilities on archaeological resources and specifically addresses repair of overhead fiber optic line under Section I. Maintenance Activities with No or Minor Associated Surface Disturbance B(3). Provisions for avoidance of sensitive cultural resources require that all work areas may only be accessed using rubber-tired vehicles.

If any cultural materials are discovered during construction, work in the area shall halt immediately, Western Regional Preservation Officer shall be contacted, and the material evaluated by an archaeologist or historian meeting the Secretary of the Interior’s Professional Qualification Standards (48 FR 22716, Sept. 1983).

To minimize impacts to the environment and prevent damage to access roads, operation of off-road equipment will not be permitted during periods of heavy rains, when soils are wet, or when excessive soil damage may occur due to unsuitable operating conditions. No maintenance activities shall be performed during periods when the soil is too wet to adequately support equipment. If equipment creates ruts in excess of 6 inches deep, the soil shall be deemed too wet to adequately support the equipment.

All equipment used must be cleaned prior to use in to prevent transporting of invasive plant or noxious weed seeds.

**E. Determination:** Based on my review of information provided to me and in my possession concerning the proposed action, I 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.

  
Signature

Date: 8/8/13

Gene Iley, Jr.  
NEPA Compliance Officer  
Rocky Mountain Customer Service Region  
Western Area Power Administration

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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>	<b>Disagree</b>	<b>Agree</b>	<b>Unknown</b>
(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 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 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 as needing protection through Executive Order,	X		

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statue, 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 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 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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