

## **Spar Canyon-Round Valley Service Road Project and Right-of-Way Amendment Mitigation Action Plan**

DEPARTMENT OF ENERGY  
Bonneville Power Administration  
DOE/EA-1980  
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Bonneville Power Administration (BPA) includes this Mitigation Action Plan (MAP) with the Finding of No Significant Impact (FONSI) for the Spar Canyon-Round Valley Service Road Project and Right-of-Way Amendment. This project would involve road construction and improvement activities along an approximately 4.9-mile route between the transmission structures of BPA's Spar Canyon-Round Valley No. 1 transmission line located on Bureau of Land Management (BLM) land in Custer County, Idaho.

This MAP is for the Proposed Action and includes all the integral elements and commitments made in the Environmental Assessment (EA) to mitigate potential adverse environmental impacts. BPA and its contractors are responsible for implementing the mitigation measures during various phases of project construction. Relevant portions of this MAP will be included in the construction contract specifications. This will obligate the contractor to implement the mitigation measures identified in the MAP that relate to contract responsibilities during construction and post-construction.

If you have general questions about the project, contact the Project Manager, Todd Wehner, at 360-619-6234. If you have any questions about the MAP, contact the project environmental lead, Jeff Maslow, at 503-230-3928. If you have questions about the MAP during construction or post-construction, contact the environmental lead for project implementation, Fred Walasavage at 541-296-3615, extension 181 or [fwalasavage@bpa.gov](mailto:fwalasavage@bpa.gov).

This MAP may be amended if revisions are needed due to new information or if there are any significant project changes.

## Mitigation Action Plan

Minimization and Mitigation Measure	Implementation
<b>Access and Transportation</b>	
Coordinate the routing and scheduling of construction activity with county road staff as necessary.	Before construction (BPA/Contractor)
Post signs along roads to warn of construction activities, merging traffic, and temporary disruption.	Before and during construction (Contractor)
<b>Soils</b>	
Space and size drainage dips as prescribed by a road engineer.	During construction (Contractor)
Sequence or schedule work to reduce exposed bare soil to wind erosion.	Before and during construction (Contractor)
Conduct as much work as possible during the dry season—at times when washes are dry—to minimize erosion, sedimentation, and soil compaction.	During construction (Contractor)
Cease all project work during heavy precipitation events (>1.6-inches in 24 hours [5-YR, 24-HR Storm Event]) in order to minimize resource damage. Do not proceed with project work until the ground is sufficiently dry, such that wheeled equipment does not leave ruts with depths greater than 4 inches. Additionally, ground-disturbing activities would not occur during wet conditions (i.e., during or immediately following rain events).	During construction (Contractor)
Use dust abatement measures such as spreading water with watering trucks.	During construction (Contractor)
Use mechanical barriers to erosion in disturbed areas as specified in the stormwater pollution prevention plan.	During construction (Contractor)
Inspect and maintain service roads after construction to ensure proper function and low erosion.	After construction (BPA)
Inspect revegetation sites to verify adequate growth, and implement contingency measures to ensure adequate growth as needed.	After construction (BPA)
<b>Vegetation</b>	
Minimize ground disturbance to the maximum extent practicable.	During construction (Contractor)
Use a BLM-recommended seed mix for revegetation of roadsides, and use appropriate measures (e.g., hay bales, wattles) to stabilize disturbed slopes along hillsides and drainages.	During construction (Contractor)
Store heavy equipment during construction within disturbance limits and at the existing substation.	During construction (Contractor)
Do not drive over or otherwise disturb areas outside the designated construction areas.	During construction (Contractor)
Utilize BMPs to prevent erosion and the potential transport of weeds onto or off of the project area.	During construction (Contractor)
As necessary, flag all special-status plant populations that need to be avoided during	Before and during construction

construction.	(BPA/Contractor)
Train contractors on how to identify special-status plant species that occur in the project area, and explain requirements for avoidance.	Before construction (BPA)
Vegetation may be grubbed only from areas where permanent ground alteration would occur. Vegetation is to be cut at ground level and root wads retained where temporary clearing occurs.	During construction (Contractor)
<b>Invasive and Non-Native Species</b>	
Train contractors on how to identify noxious weed species that occur in the project area, and explain required actions to prevent their spread.	Before construction (BPA/Contractor)
Flag all weed populations that need to be avoided during construction and treat upon completion.	Before/after construction (BPA/Contractor)
Provide vehicle and equipment washing stations for daily use before apparatus enters or leaves the project area.	Before/during construction (Contractor)
Upon each entry, BPA would be responsible for ensuring the undercarriages of equipment and/or vehicles used within the ROW are free of all soil and plant material prior to operating on public lands to reduce the establishment of new invasive, non-native species and/or the spread of existing species to new areas.	Before/during construction (Contractor)
Record cleaning sites using global-positioning equipment and report this information to BLM weed management personnel.	Before construction (BPA/Contractor)
Store cleared vegetation next to the area from which it is stripped to avoid transporting soil-borne noxious weed seeds, roots, or rhizomes. Get road fill materials from weed-free quarries.	During construction (Contractor)
Monitor for weeds along the route in the years after construction to ensure no new invasive plant species have been introduced as a result of project implementation. BPA would be responsible for the control of noxious and invasive weed species within the limits of the ROW for the term of the grant.	After construction (BPA)
<b>Wildlife, Migratory Birds, and Special-Status Species (including Greater Sage-Grouse)</b>	
Construction and other ground disturbing activities (vegetation removal) would not occur during the migratory bird nesting season, March 1 – July 15.	Before construction (BPA/Contractor)
Do not drive over, or otherwise disturb areas outside the designated right-of-way areas.	During construction (Contractor)
Establish and enforce reasonable driving speed during construction to minimize potential for incidental wildlife injuries and mortality.	Before and during construction (BPA/Contractor)
Properly store and manage all wastes generated during construction.	During/after construction (Contractor)
Fund implementation of compensatory mitigation actions on 10 off-site acres of habitat to mitigate impacts to BLM-designated Greater Sage-Grouse habitat.	Before construction (BPA)
<b>Waterways and Water Quality</b>	
Design roads with appropriate drainage dips to maintain the existing hydrologic regime.	Before construction (BPA)

Size and space drainage dips properly to accommodate flows and direct sediment-laden waters into vegetated areas.	Before and during construction (BPA/Contractor)
Line the downstream side of the ephemeral drainages with larger rip-rap rock to maintain road integrity and prevent effects to water quality during seasonal runoff.	Before and during construction (BPA/Contractor)
Do as much work as possible during the dry season when ephemeral drainages are dry.	Before and during construction (BPA/Contractor)
Limit disturbance to the minimum area necessary when working in or near washes (ephemeral drainages), and install stakes or flagging to keep vehicles and equipment on designated routes and areas.	Before and during construction (BPA/Contractor)
If a water right is needed for construction/dust control, BPA would be responsible for procuring a Temporary Approval of Water Appropriation from the Idaho Department of Water Resources, or would procure the water from another approved source. Water would not be withdrawn from waterways on BLM administered land without an approved water right.	Before construction (BPA)
Any water drawn from streams occupied by Endangered, Threatened, or Sensitive fish species must meet United States Fish and Wildlife Service (USFWS) and National Marine Fisheries Service (NMFS) screening criteria to reduce the impingement of juveniles. Intake hoses and/or pipes should be placed in locations to avoid juvenile fish habitats.	Before and during construction (BPA/Contractor)
No water can be drawn, or used, from any water source that contains aquatic invasive species or aquatic nuisance species.	During construction (BPA/Contractor)
<b>Fish</b>	
Excess or unused water cannot be dumped, or disposed of, in any waterway, waterbody, stream, wetland, or riparian area that is publicly or privately owned without prior authorization.	During construction (Contractor)
Maintain a spill containment kit, of appropriate size for the equipment used, at the construction site.	During construction (Contractor)
Promptly clean-up any spill of petroleum products and dispose of in an appropriate facility. If spills of hazardous materials (including petroleum products) occur on site in excess of 25 gallons, the site supervisor shall immediately notify Idaho Department of Environmental Quality and the BLM, in that order.	During construction (Contractor)
Prepare a storm water pollution prevention plan—in accordance with <i>The Catalog of Stormwater BMP, Idaho Department of Environmental Quality (IDEQ), for Idaho Cities and Counties</i> (IDEQ 2005)—addressing measures to reduce erosion and runoff and stabilize disturbed areas.	Before construction (Contractor)
Install temporary erosion controls, such as silt fences, weed-free straw matting/bales or fiber wattles, down slope of project activity with the riparian buffer area before any significant alteration of the project area and until site rehabilitation is complete.	During construction (Contractor)
Inspect erosion and sediment controls weekly, maintain them to ensure their continued effectiveness, and remove them from the site when vegetation is re-established and the site has been stabilized.	During construction (Contractor)
Once the site is stabilized, temporary erosion control measures must be removed.	After construction (Contractor)

Adequate materials for the emergency control of erosion and chemical spills would be maintained on site at all times, including: (1) an adequate supply of sediment control materials (e.g. silt fence, straw wattles, certified weed-free straw bales); and (2) an oil-absorbing floating boom and absorbent pads whenever surface water is present.	During construction (Contractor)
Remove sediment from erosion controls once the sediment has reached one-third of the exposed height of the control. If inspections show that the controls are ineffective, crews would be immediately mobilized to repair, replace, or reinforce controls as necessary.	During construction (Contractor)
Prohibit side-casting of road grading materials along roads within 300 feet of drainages.	During construction (Contractor)
Maintain vehicles and equipment in good working order to prevent oil and fuel leaks.	During construction (Contractor)
Restrict refueling and servicing operations to locations where spilled material cannot enter ephemeral drainages, and use pumps, funnels, absorbent pads, and drip pans when fueling or servicing vehicles.	During construction (Contractor)
Inspect and maintain service roads after construction to ensure proper function and nominal erosion levels.	After construction (BPA)
Do not use petroleum-based products for dust abatement.	During construction (Contractor)
Do not use dust abatement additives or stabilization chemicals (typically magnesium chloride, calcium chloride salts, or lignosulfonate) within 25 feet of ephemeral washes and when using, apply them to minimize the likelihood that they would enter washes.	During construction (Contractor)
<b>Visual Resources</b>	
Apply water or a dust suppressant to gravel and dirt travel routes to control dust.	During construction (Contractor)
Use a road base that blends in with the natural soil in the ford development areas.	During construction (Contractor)
Remove visually obtrusive erosion control devices, such as silt fences, plastic ground cover, and straw bales, as soon as the area is stabilized following construction.	During and after construction (Contractor)
<b>Air Quality and Greenhouse Gases</b>	
Use water trucks to control dust during construction, as needed.	During construction (Contractor)
Set a speed limit for construction vehicles on unpaved service roads to minimize dust if necessary.	Before and during construction (BPA/Contractor)
Turn off equipment engines when not in use to minimize exhaust emissions.	During construction (Contractor)
Use local rock sources for road construction where practicable to reduce transportation distances for construction materials, rock can only be removed from BLM at an existing material site with prior authorization.	During construction (Contractor)

Revegetate disturbed areas after the conclusion of construction with the exception of those areas required to remain clear of vegetation to ensure access to transmission line structures.	During and after construction (Contractor)
<b>Public Health and Safety</b>	
Limit construction noise to daylight hours.	During construction (Contractor)
Turn off construction equipment during prolonged periods of non-use.	During construction (Contractor)
Operate and maintain all equipment to minimize noise generation.	During construction (Contractor)
Ensure gasoline and diesel engines have appropriate mufflers.	Before and during construction (Contractor)
Conduct crew safety meetings to start each workday to review potential safety issues and concerns.	During construction (Contractor)
Conduct monthly meetings between BPA and the construction contractor to discuss safety concerns.	During construction (BPA/Contractor)
Secure the site at the end of each workday to protect equipment and the general public.	During construction (Contractor)
BPA would ensure that adequate sanitation facilities are provided on site during construction, in accordance with 29 CFR 1910.141(c)(1)(i).	Before and during construction (BPA/Contractor)
<b>Cultural Resources</b>	
<p>Any cultural and/or paleontological resource (historic or prehistoric site or object, or fossil) discovered by the Holder, or any persons working on his behalf on public or federal land shall be immediately reported to the authorized officer.</p> <p>Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery would be made by the BLM archaeologist authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values.</p> <p>The Holder would be responsible for the cost of evaluation and mitigation, and any decision as to proper avoidance, protection or mitigation measures would be made by the authorized officer after consulting.</p>	During construction (BPA/Contractor)