



U.S. Department of Energy

Categorical Exclusion Determination Form

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Proposed Action Title: Glen Canyon Substation Emergency Erosion Repairs and Waterline Replacement

Program or Field Office: Western Area Power Administration, Desert Southwest Region

Location(s) (City/County/State): Coconino County, Arizona

Proposed Action Description:

Western proposes to conduct emergency short-term repairs to the substation's embankment, culverts, and access road damaged by a recent storm, as well as repair a broken 2-in-dia. waterline that is the sole water source for workers stationed at Glen Canyon Substation. It occurs within portions of Sections 24 & 25 in Township 41 North, Range 8 East on the Gila and Salt River Baseline and Meridian. Western owns, operates and maintains this facility on behalf of Colorado River Storage Project Power System customers.

SEE CONTINUATION SHEET

Categorical Exclusion(s) Applied:

B1.3 - Routine maintenance

For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, including the full text of each categorical exclusion, see Subpart D of [10 CFR Part 1021](#).

Regulatory Requirements in 10 CFR 1021.410(b): (See full text in regulation)

The proposal fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.

To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (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; (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; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (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 listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

The proposal has not been segmented to meet the definition of a categorical exclusion. This 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 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

Based on my review of the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

NEPA Compliance Officer:

Date Determined:

5-18-16

Continuation Sheet -- Categorical Exclusion for Glen Canyon Substation Emergency Erosion Repairs and Waterline Replacement

Project Description (continued)

Western plans to use existing access roads to reach the work area. Western would use a grader, front-end loader, concrete truck, backhoe and crew trucks to accomplish the work. The work entails the following:

- 1) Erosion Repairs
 - a. Remove sediment from up to nine existing culverts and regrade the inlets and outlets to improve drainage.
 - b. Place 200 to 800 feet of jersey barriers along the access road to keep storm water from flowing on to the road and remove water lain fill from road surface.
 - c. Fill in and compact eroded banks to tie into culvert headwalls. Western estimates that 55 cubic yards is needed.
 - d. Encase in concrete or take other measures to protect phone cables and Western control cables where they cross the wash and were exposed by storm water erosion.
 - e. Regrade 600 feet of the existing channel banks at a 2:1 slope.
 - f. Install 600 feet of rip-rap or other material along channel banks.
 - g. Take measures to reduce storm water velocity in the wash, such as adding straw waddles.
 - h. Repair or replace damaged concrete retaining walls.
- 2) Waterline repairs
 - a. Replace portions of a 700-ft-long water pipe in the existing corridor located between the far side of US89 and the based on the substation embankment. This entails re-excavating the six-inch-wide, one-to-six-inch-deep trench containing the waterline. The water pipe under US 89 occurs in a protective sleeve.
 - b. Protect the water line from freezing by adding concrete, straw bales, or protective sleeves.

Western plans to conduct this work as soon as possible.

Special Conditions:

Biology

1. California Condors, a federally protected species, may occur in the project area, so:
 - a. If condor(s) occur at project site, on-site personnel will cease all activity until condor(s) leave on their own. The onsite supervisor shall immediately contact Western's Environmental Manager. Western will then contact the Fish and Wildlife Service to report the sighting.
 - b. On-site personnel will not interact with the condor(s), especially non-permitted hazing (e.g., "shooing" birds).
 - c. On-site personnel will clean project sites (e.g., personal and construction trash) at the end of each day to minimize attracting condors.

Clean Water Act

2. Western will follow the term and condition of Nationwide Permit 3 issued by the Corps of Engineers.

Compliance

3. If any damage is done to the detention dikes or gravel berms, then they will need to be repaired to satisfy secondary containment requirements for Glen Canyon sub.

4. If clearing, grading, and excavating activities disturbs one or more acres and discharges storm water to navigable waters, then storm water regulations will apply. Contractor will need to submit Notice of Intent (NOI) to ADEQ, to receive a Construction Storm water permit. Contractor will also be responsible for preparation and implementation of the Storm Water Pollution Prevention Plan (SWPPP). Disturbed areas include staging, parking, fueling, stockpiling, and any other construction related activities.

Cultural

5. In the event that archaeological materials or human remains are discovered work must cease immediately in the vicinity of the discovery, the materials protected, and the DSW Environmental Manager contacted immediately.