



# U.S. Department of Energy

## Categorical Exclusion Determination Form

Submit by E-mail

Proposed Action Title: Kayenta-Long House Valley: Equipment Additions and Replacements

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

Location(s) (City/County/State): Kayenta, Navajo County, Arizona

Proposed Action Description:

The Western Area Power Administration (WAPA) is proposing to remove an existing capacitor bank, install new gas breakers, shunt reactors, foundations and excavate/lay cable trenching. All work would occur within the Kayenta (KAY) and Long House Valley (LHV) substation boundaries.

\*Proposed work at KAY:

Remove existing capacitor bank, construct a 6-ft x 6-ft concrete pad, install one (1) 230-kV gas breaker, construct a 8-ft x 10-ft concrete pad, install one (1) shunt reactor (oil-filled), excavate 100-lin. ft. (24-in width x 36-in depth) trenching.

\*Proposed work at LHV:

Construct a 6-ft x 6-ft concrete pad, install one (1) 230-kV gas breaker, construct a 8-ft x 10-ft concrete pad, install one (1) shunt reactor (oil-filled), excavate 100-lin. ft. (24-in width x 36-in depth) trenching.

Work is scheduled to occur in 2019. The proposed work is needed to support continued reliability and safety of the bulk electrical system. See continuation sheet.

Categorical Exclusion(s) Applied:

B1.3 - Routine maintenance

B4.6 - Additions and modifications to transmission facilities

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: **SEAN BERRY** Digitally signed by SEAN BERRY  
Date: 2019.03.07 08:43:16 -07'00'

Date Determined: 3/7/2019

KAY-LHV Equipment Additions and Replacements Continuation Sheet

SPECIAL REQUIREMENTS:

1) GENERAL:

- a. WAPA's Contractor shall perform work only in locations within the substation fence boundaries (within KAY and LHV) to ensure avoidance of any environmentally sensitive areas. Work outside the substation fence boundaries has not been reviewed or approved by this CX.

2) PREVENTION OF AIR POLLUTION (IN ADDITION TO SECTION 13.14 OF THE STANDARDS):

a. SULFUR HEXAFLUORIDE (SF6) EMISSIONS:

GENERAL: WAPA's Contractor shall record pounds of SF6 gas purchased from equipment manufacturers or distributors. The Contractor shall submit SF6 gas reporting forms to the COR prior to submittal of final invoice. The Contractor shall record quantities of SF6 gas, including:

- i. Record serial number of each cylinder (provided by WAPA)
- ii. Record total weight in pounds of each cylinder (provided by WAPA)
- iii. Record tare weight in pounds of each cylinder (provided by WAPA)
- iv. Record pounds of SF6 gas stored in containers, before transferring into energized equipment. (Total weight – tare weight) (provided by WAPA)
- v. Nameplate capacity in pounds of SF6 gas containing equipment.
- vi. Record pounds of SF6 gas left in containers, after transferring into energized equipment
- vii. Scales used to weigh cylinders must be accurate to within 1% of true weight and must have current calibration sticker. WAPA will provide the Government furnished scales to the Contractor.

CONTRACTOR FIELD QUALITY TESTING AND SF6 GAS HANDLING:

- viii. The Contractor shall test all functions to verify correct operation and conduct a leak test. No SF6 gas leakage shall be allowed from any equipment or storage containers.
- ix. Atmospheric venting of SF6 gas is not allowed.

CERTIFICATES OF DISPOSAL AND RECEIPTS:

- x. The Contractor shall use WAPA's SF6 Tracking Form for Adding SF6 to Breakers for reporting quantities listed above.
- xi. The Contractor shall record and remove all SF6 gas from old breakers the Contractor is responsible for recycling. Contractor shall record each cylinder serial number, total weight of SF6 gas, and gas breaker serial number.

