



U.S. Department of Energy Categorical Exclusion Determination Form

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Proposed Action Title: Adams Tap MOI and Control Building Replacement

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

Location(s) (City/County/State): Benson, Cochise County, AZ.

Proposed Action Description:

Western proposes to conduct work in two stages at Adams Tap and Adams Substation located in Benson, Cochise County, AZ.

The first stage will require a "shoo-fly" installation (a temporary bypass line) at Adams Tap allowing Western to interconnect between two yards and take critical portions of the Adams Substation out of service while Western builds the second portion a new control building. The temporary shoo-fly set up will stay in place through May 2014. Attached photo depicting location of three temporary shoo-flies (each pole will require an additional 50' radius for guy downs and anchors as well as set up, excavation, install poles, install conductors to poles, and removal of aerial vertical jumpers (electrical connection) and install new jumpers across all three floating dead-ends while the MOI's (motor-operator interrupters) are being replaced. Replacement of two MOI's within Adams Tap yard with SF6 interrupter (containing three cylinders to each switch). Trench work will be required for new cables to MOI's.

Due to leakage and deterioration, the second stage of the construction is a new control building and foundation situated north of the existing building in Adams Substation. Installation will also provide Western additional room for batteries and AC service which Arizona Public Service (APS) can no longer provide.

Continuation Sheet Attached and Special Conditions

Categorical Exclusion(s) Applied:

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: *Yonda Marant*

Date Determined: 9-11-13

Western Area Power Administration, Desert Southwest Region ADAMS TAP MOI and Control Build Replacement Continuation Sheet

Proposed Action Continued:

The existing building will be removed and disposed once the new building is operational and the new MOI switches are energized. APS currently provides Western power to the existing control building and communication link for control of Western's two MOI's at Adams Tap. Trench work on the west side of APS' existing building will be required for conduit and cable installation that connect the building with MOI's and APS' communication, tower, power, and generator between Adams Substation and Adams Tap. Western will also remove two vertical wave traps (located on the north side of the switchyard) that are no longer in service.

Equipment will include manlifts, boomtrucks, bucket trucks, crew trucks, backhoe, auger truck, and forklift for all stages of the construction work. Western will use APS right-of-way for access to the work.

Special Conditions:

Biological Resources

1. Proper sediment control measures (i.e wattles) will be used for installation of the temporary shoo-flys.

Compliance

SECTION 13.8--DISPOSAL OF WASTE MATERIAL

1. GENERAL: Dispose or recycle waste material in accordance with applicable Federal, State and local regulations and ordinances. In addition to the requirements of the Contract Clause "Cleaning Up", remove all waste material from the construction site. No waste shall be left on Western property, right-of-way, or easement. Burning or burying of waste material is not permitted.

SECTION 13.10--POLLUTANT SPILL PREVENTION, NOTIFICATION, AND CLEANUP

2. GENERAL: Provide measures to prevent spills of pollutants and respond appropriately if a spill occurs. A pollutant includes any hazardous or non-hazardous substance that when spilled, will contaminate soil, surface water, or ground water. This includes any solvent, fuel, oil, paint, pesticide, engine coolants, and similar substances.

SECTION 13.13--PREVENTION OF AIR POLLUTION

3. SULFUR HEXAFLUORIDE EMISSIONS:
GENERAL: The Contractor shall record quantities of SF6, including:
 - 1) Nameplate capacity in pounds of SF6 containing equipment:
 - 2) Record pounds of SF6 stored in containers, before transferring into energized equipment

- 3) Record pounds of SF6 left in containers, after transferring into energized equipment
- 4) Pounds of SF6 purchased from equipment manufacturers or distributors
- 5) Pounds of SF6 returned to suppliers.

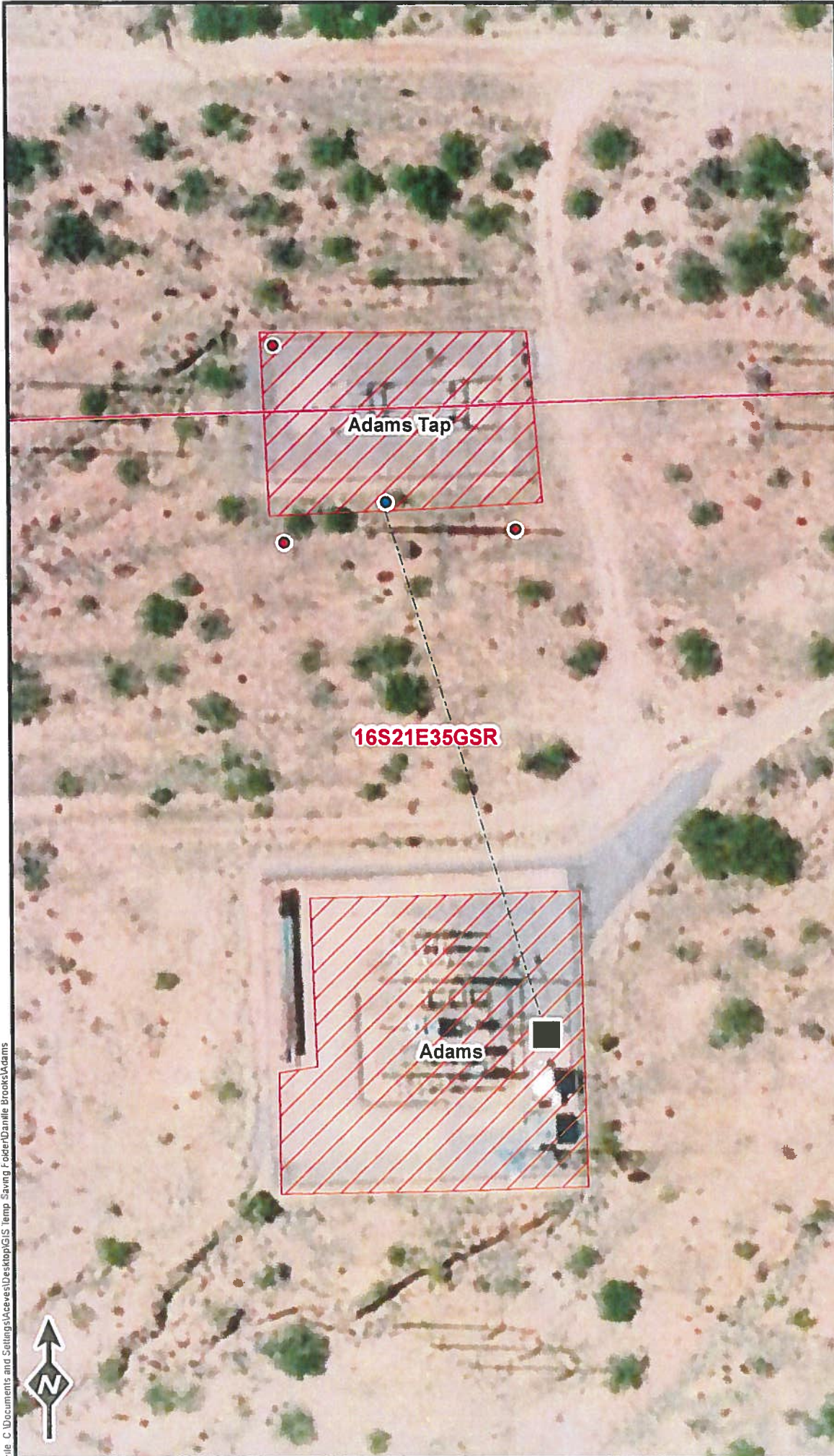
Scales used to weigh cylinders must be accurate to within +/- 2 pounds and must have a current calibration sticker

4. CONTRACTOR FIELD QUALITY TESTING AND SF6 HANDLING:







- 1) 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.
- 2) Atmospheric venting of SF6 gas is not allowed.

5. CERTIFICATES OF SF6 DISPOSAL AND RECEIPTS:

- 1) The Contractor can use Western's Reporting Form for reporting quantities listed above.
- 2) The Contractor shall provide receipts of SF6 returned to supplier.
- 3) The Contractor shall submit SF6 Reporting Forms and copies of receipts to the COR prior to submittal of final invoice.



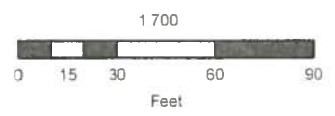
Legend

-  Facilities
-  T-Lines
-  Conduit Work
-  New Pull Box
-  Sho-fly (Wood Pole)
-  Western Control Building

Adams Tap

16S21E35GSR

Adams



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UNITED STATES DEPARTMENT OF ENERGY
 WESTERN AREA POWER ADMINISTRATION
 DESERT SOUTHWEST OFFICE - PHOENIX, ARIZONA

ADAMS SITE MAP
 ARIZONA
 SITE MAP

Designed by H. ACEVES Approved _____

WEDNESDAY, SEPTEMBER 04, 2013 10:10 AM DRAFT

Checklist for Categorical Exclusion Determination, revised Nov. 2011

Application of Categorical Exclusions (1021.410)	Disagree	Agree	Unknown
(b)(1) The proposal fits within a class of actions that is listed in appendix A or 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. Conditions that are Integral Elements of the Classes of Actions in Appendix 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, 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	X		

	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		
(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		