U.S. Department of Energy
Categorical Exclusion Determination Form

Submit by E-mail

Proposed Action Title: Building 12-37 Secondary Electrical Feeder Installation

Program or Field Office: NNSA Production Office (Pantex)

Location(s) (City/County/State): Amarillo, Carson, Texas

Proposed Action Description:

The proposed project would provide greater resiliency at the data centers in Building 12-37. The electrical system would be split into two separate systems, each with their own generator and Uninterruptible Power Supply (UPS). Both systems would be completely independent of each other. A new 750kVA transformer and pad would replace the existing 500kVA at Sub-075. The electrical and mechanical system upgrades for Buildings 12-37 and 12-37A would require slight modification of existing fire protection and life safety systems including the existing fire sprinkler system, fire alarm system, and fire rated barrier between the mechanical/electrical room and the surrounding areas. The exiting duct bank going from Sub-075 to Building 12-37 would be demolished. A new duct bank would be installed from the new Sub-075 transformer pad to a new electrical enclosure. A new outdoor electrical enclosure would be located on the southwest corner of Building 12-37A and designed to house a new 1200A switchboard lineup serving a new UPS, Automatic Transfer Switch, and batteries. This enclosure would be sealed and conditioned by a redundant Heating, Ventilation and Air Conditioning (HVAC) system. The enclosure would be built off-site by a manufacturer who would also install and test the equipment prior to on-site delivery. If changes are made to the scope of action so that it is no longer bound by the action described in the original documentation, as amended, or is expanded to encompass other actions, NEPA requirements for the action will need to be reassessed at that time and further NEPA analysis may be required.

Categorical Exclusion(s) Applied:

B1.3 - Routine maintenance

B1.15 - Support buildings

B1.23 - Demolition and disposal of buildings

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: Jack Zanger

Digitally signed by Jack Zanger
DN: c=US, o=U.S. Government, ou=Department of Energy, ou=Y-12 National Security Complex, ou=CAs, ou=Pantex People, cn=Jack Zanger
Date: 2019.04.01 15:05:19 -05'00'

Date Determined: 04/01/2019

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