



U.S. Department of Energy

Categorical Exclusion Determination Form

Proposed Action Title: Stanford Research Computer Facility II - SS-SC-22-01

Program or Field Office: BASO-SLAC

Location(s) (City/County/State): Menlo Park, California

Proposed Action Description:

The project scope includes the addition of approximately 17,000 of additional computer lab facility with an additional 3MW of data center potential. The project site is approximately 2 acres. The new two-story expansion facility will provide infrastructure for a multitude of server racks. There are three existing fenced service yards on the building exterior, and two additional fenced yards will be added as part of the expansion project—one for the new electrical substation, and one for emergency generators. The ground floor will be utilized for electrical infrastructure and as a receiving area; the second floor will have a server room and mechanical room, like the existing facility, and will make use of the existing office facilities. There will be a roof screen built to enclose mechanical units placed on the roof structure.

The project site (approximately 2 acres) is located east of Cooling Tower 1701 on an undisturbed grassy hillside that is surrounded by previously developed areas. The SLAC lease holding has been subject to several field reconnaissance surveys by Stanford University archaeological teams. There are no documented sacred sites or archeological deposits located on the project site based on Stanford University's archaeological survey report. No endangered or sensitive species or resources have been identified on the project site. No critical habitats are in or near the project site. No bird nesting has been observed. One tree will be removed, and approved measures will be implemented, consistent with the SLAC tree and shrub protection guidelines.

Categorical Exclusion(s) Applied:

B1.15 - Support buildings

Siting, construction (or modification), and operation of support buildings and support structures

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.

I concur that the above description accurately describes the proposed action.

BASO-SLAC Program Point of Contact: Ernest Maune

Date: 09/10/2021

The above description accurately describes the proposed action, which reflects the requirements of the CX cited above. Therefore, I recommend that the proposed action be categorically excluded from further NEPA review and documentation.

BASO-SLAC NEPA Coordinator: Mitzi Heard

Mitzi Heard

Date: 09/10/2021

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.

Oak Ridge NEPA Compliance Officer: Katatra Vasquez *Katatra Vasquez*

Date Determined: 09/10/2021