



# U.S. Department of Energy

## Categorical Exclusion Determination Form

**Proposed Action Title:** Cryomodule Repair and Maintenance Facility (CRMF) (SS-SC-25-01)

**Program or Field Office:** SLAC Site Office

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

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### Proposed Action Description:

The U.S. Department of Energy (DOE) proposes to construct a Cryomodule Repair and Maintenance Facility (CRMF) at SLAC National Accelerator Laboratory (SLAC) to provide support facilities for the inspection, repair, maintenance, and testing of cryomodules to SLAC specifications and standards. The proposed project site is along the North Access Road at Sector 11/12, approximately 230 feet north of the Klystron Gallery, in an existing developed storage yard. The project includes the CRMF building, a mechanical yard, a tank yard, a bioretention area, and a parking lot. The CRMF building will be up to approximately 25,418 gross square feet and 44-feet high. The CRMF will tie into existing and readily accessible utility lines/systems for service and a cryogenic piping connection between the existing Cryoplant (B905), Klystron Gallery, and CRMF would be installed. Soil removed during grading and construction will be relocated to an existing soil laydown area to the west of the proposed site. This analysis considers potential impacts from the construction of the CRMF facility and installation of associated utilities systems.

Given the projects proximity to the Fixed Target Linac Historic District, DOE determined that the CRMF project was an Undertaking with the potential to affect historic properties under Section 106 of the National Historic Preservation Act (NHPA). No cultural resources were identified in the project area during record searches and no cultural resources were identified during an archaeological survey of the project area, which was conducted on January 16, 2024, by archaeologists meeting the Secretary of the Interior's Professional Qualification Standards in Archaeology from Stanford Heritage Services. A Section 106 report was prepared which made a determination of no adverse effect. The evaluation report and request for review of DOE's determination was formally submitted to the State Historic Preservation Officer (SHPO) on January 6, 2025. In accordance with the requirements of 36 CFR 800.3(c)(4), DOE did not receive a response within the 30-day review time limit. Therefore, DOE has chosen to proceed with the proposed project in compliance with federal regulations that allow the agency to move forward if the SHPO does not respond within the designated timeframe.

Soil disturbance, relocation and disposal activities will occur in coordination with the SLAC Environmental Health and Safety (ES&H) Department. A Storm Water Pollution Prevention Plan (SWPPP) will be developed and Best Management Practices (BMPs) to minimize storm water contamination will be implemented during work, in accordance with the SWPPP. The CRMF project will comply with the Energy Independence and Security Act (EISA) Section 438 requirements by installing multiple bioretention basins that will retain the 95% percentile storm water event. Nesting bird surveys will be conducted prior to tree removals occurring during nesting bird season (2/15-8/31), in accordance with the Federal Migratory Bird Treaty Act. Hydroseed or other plantings will comply with the requirements in SLAC's Landscape Vegetation and Planting Guidance. All hazardous construction waste will be properly disposed of off-site, in concurrence with ES&H Chapter 52 (Hazardous Materials and Waste Transportation). The SLAC Waste Management department will review and coordinate the disposal of all hazardous construction waste. While no archaeological deposits are anticipated, DOE plans to employ periodic and on-call monitoring for ground-disturbing construction activities associated with this project and would follow the protocols for work stoppage, resource identification, and agency and tribal communication as documented in SLAC's Inadvertent Discovery Plan for Cultural Resources in the event of an unanticipated discovery of human remains or archaeological or cultural materials.

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### Categorical Exclusion(s) Applied:

B1.7 – Electronic equipment  
B1.15 – Support buildings  
B1.33 - Stormwater runoff control  
B2.2 - Building and equipment instrumentation  
B2.3 - Personnel safety and health equipment  
B4.11 – Electric power substations and interconnection facilities

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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.

**SSO Program Point of Contact:**

**Date:**

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.

**SSO NEPA Coordinator:**

**Date:**

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:**