



# National Nuclear Security Administration Categorical Exclusion Determination Form



NEPA ID#: NA-19-0004

---

Proposed Action Title: National Laser Users' Facility (NLUF) Program Awards, FY 2019 - FY 2021

Program or Field Office: NNSA/Office of Experimental Sciences, NA-113

Location(s) (City/County/State): Various locations

---

Proposed Action Description:

The U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA) Office of Experimental Sciences, proposes to continue to fund research associated with the National Laser Users' Facility (NLUF) program. The NLUF program provides access to the OMEGA Laser Facility at the University of Rochester (UR) for University/industrial scientists. The OMEGA Laser Facility is maintained and operated for NLUF participants by the UR Laboratory for Laser Energetics (LLE) for the DOE/NNSA.

The scientists selected for the NLUF program awards would generally be from any accredited University/academic institution of higher education in any State, Federal District, or Territory of the U.S. or any not-for-Profit, non-degree-granting domestic U.S. scientific research institution. Additionally, scientists from U.S.-based corporations, partnerships, or proprietorships would be considered. Research would be conducted at the OMEGA Laser Facility. Funds may also be used to perform complementary research and development in existing research facilities at the chosen institution/company. Research would be conducted in one or more of the fundamental areas of the following physical sciences: high energy density hydrodynamics, magnetized high energy density plasmas, nonlinear optics of plasmas, radiation dominated dynamics and material properties, relativistic HED plasmas and intense beam physics, warm dense matter, high-Z, multiply ionized HED atomic physics; and diagnostic and experimental platform development.

The financial assistance would be given to the institution for travel, fringe and indirect costs, supplies and materials, equipment, user fees, publication costs, tuition, stipends and salaries to support staff, undergraduate, graduate, postdoctoral students, research professors, their principle investigator(s) and other universities' support (collaborators). Awards may be used to cover costs associated with minor equipment modifications, upgrades, and/or purchases.

---

Categorical Exclusion(s) Applied:

A 9 Information gathering, analysis, and dissemination

B 1.31 Installation or relocation of machinery and equipment

B 3.6 Small-scale research and development, laboratory operations, and pilot projects

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 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 of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.

**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 information conveyed to me and in my possession concerning the proposed action, as NEPA Compliance Officer (as authorized under NNSA NAP 451.1 and DOE P 451.1), I have determined that the proposed action fits within the specified class(es) of action and that other-regulatory requirements set forth above are met. Therefore, the application of a categorical exclusion is appropriate.