



U.S. Department of Energy Categorical Exclusion Determination Form

Proposed Action Title: Utility Energy Service Contract (UESC) – TJSO-SC-16-01

Program or Field Office: Thomas Jefferson Site Office (TJSO)

Location(s) (City/County/State): Newport News, VA

Proposed Action Description:

The U.S. Department of Energy's Thomas Jefferson Site Office (TJSO) proposes the upgrading of existing site utilities including lighting, domestic water conservation, Ultra-Pure Water (UPW) reuse, mechanical upgrades, and the installation of a solar photovoltaic system at the Thomas Jefferson National Accelerator Facility. The goal of this project is to implement more efficient energy systems in the above mentioned categories within multiple locations onsite. Current energy operations will be revised and replaced in order to ensure a more energy efficient system of utilities on site.

This entire project would be located within the Thomas Jefferson National Accelerator Facility (TJNAF) located on Department of Energy (DOE) property. These upgrades are being designed for high performance energy sustainability in the above categories and are intended to aid site utilities in energy efficiency.

There would be minor impacts to the environment during construction and renovation operations. Less than one acre of land will need to be cleared or excavated in order to implement the Solar Photovoltaic ground mounts. In addition to this, existing lighting fixtures and bulbs will be removed and sent to a licensed recycler for proper disposal. Some universal waste will be generated as a result of this process and will be handled in accordance to Resource Conservation and Recovery Act (RCRA) standards and procedures.

The project would require authorization under an approved project-specific Erosion and Sediment Control (E&SC) Plan per the requirements of the Virginia E&SC Laws. (62.1-44.15:51 through 62.1-44.15:66) and Regulations (9VAC25-840-10 through 9VAC25-840-110). All Best Management Practices (BMP's) to be utilized would be addressed in the project specific E&SC Plan. All applicable erosion and sediment controls would be installed prior to any land disturbance and maintained per the standards and specifications described in Chapter 3 of the *Virginia Erosion and Sediment Control Handbook*. Therefore, no negative impacts from any erosion or sedimentation to downstream storm channels are anticipated during construction.

The proposed action would be done in accordance with applicable regulatory requirements, incorporating appropriate control technologies and best management practices. The proposed action would not impact any threatened/endangered species or protected habitat, wetlands or waters of the U.S., or cultural/historical resources. The proposed action would not be part of an ongoing Environmental Assessment or Environmental Impact Statement. The proposed action would not be related to any extraordinary circumstances or other actions with potentially significant impacts.

Categorical Exclusion(s) Applied:

B5.1 - Actions to conserve energy or water

B5.16 - Solar photovoltaic systems

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.

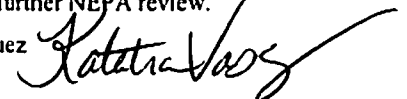
There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.

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.

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.

Program Point of Contact: Patricia Hunt  Date Determined: 10-26-16

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: Katatra Vasquez  Date Determined: 10-27-16