

**DOE-ID NEPA CX DETERMINATION**  
**Idaho National Laboratory**

**SECTION A. Project Title:** Microgrid Research Laboratory Remodel

**SECTION B. Project Description and Purpose:**

The Microgrid Research Laboratory is located in the Energy Systems Laboratory (ESL), building IF-685, at the Idaho National Laboratory's Research and Education Campus in Idaho Falls, Idaho. The Microgrid Research Laboratory Remodel would provide a cosmetic and functional upgrade to the existing workspace. The upgrades would accommodate the users of the space, visitors and tour groups. The upgrades would match the finishes of the other research areas located in the ESL high bay.

- The scope of work would include installation of the following:
  - raised flooring (approximately 200 sq ft)
  - conduit (approximately 200 ft) and receptacles (approximately 8)
  - two television screens and an exterior camera
  - clear panels/partitions
  - office furniture/workstations.

There would be no modifications to plumbing, sanitary sewer, or heating, ventilating, and air conditioning (HVAC) systems.

This project is scheduled to begin in December 2015 with a duration of 4-6 weeks. The project cost is estimated to be \$45K - \$65K.

**SECTION C. Environmental Aspects or Potential Sources of Impact:**

**Generating and Managing Waste**

Waste generated during construction is expected to be typical of construction activities and would include industrial and possible hazardous waste.

**Releasing Contaminants**

Typical construction chemicals such as fuels, lubricants, paints, adhesives, etc., would be used during the project.

**Using, Reusing, and Conserving Natural Resources**

All applicable waste would be diverted from disposal in the landfill when possible. Project personnel would use every opportunity to recycle, reuse, and recover materials and divert waste from the landfill when possible.

**SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification:** Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1)) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

**References:** 10 CFR 1021, Appendix B, B2.1 "Workplace enhancements"

**Justification:** Project activities are consistent with 10 CFR 1021, Appendix B, B2.1 "Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation, and noise reduction."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act)     Yes     No

Approved by Jack Depperschmidt, DOE-ID NEPA Compliance Officer on: 11/6/2015