

**U.S. Department of Energy  
Naval Reactors Representative's Office  
Kesselring Site**

National Environmental Policy Act (NEPA) Categorical Exclusion (CX)  
Determination Summary Form

**NATIONAL GRID 34.5KV REPLACEMENT PROJECT**

**REFERENCE**

10 CFR Part 1021, Department of Energy National Environmental Policy Act Implementing Procedures, Subpart D, Typical Classes of Actions

**PROJECT SCOPE DISCUSSION**

The scope of this project involves National Grid (NG) constructing a new 34.5kV overhead transmission line to the Kesselring Site (KS). The existing 34.5kV transmission line to KS was installed over 50 years ago and is in need of replacement. The proposed route of the new transmission line originates from the Rock City Falls substation and follows the roadways to KS. Once on KS property, the new line will run adjacent to the existing 115kV right-of-way until its final termination at the High Yard 23 substation. New poles will be installed to support the new transmission line. NG and their suppliers shall be executing all construction efforts associated with the installation of the new transmission line. A separate, follow-on project will be conducted by NG at a later time to remove the abandoned utility poles.

The project does not violate applicable regulatory requirements, require construction or major expansion of waste handling facilities, result in unpermitted releases of hazardous substances, or adversely affect environmentally sensitive resources, including wetlands. The project does not involve genetically engineered organisms or species. There are no extraordinary circumstances related to the proposed action. The project has not been segmented to meet the definition of a categorical exclusion and is not connected to other actions with potentially significant and/or cumulative impacts.

**CONCLUSION**

The Kesselring Site National Grid 34.5kV Replacement project is categorically excluded from additional NEPA documentation under 10 CFR Subpart D, Appendix B, CX's B1.24, B1.27, B4.6, B4.10, and B4.13. Specifically, the categorical exclusions that apply are the following:

*B1.24 Property transfers*

Transfer, lease, disposition or acquisition of interests in personal property (including, but not limited to, equipment and materials) or real property (including, but not limited to, permanent structures and land), provided that under reasonably foreseeable uses (1) there would be no potential for release of substances at a level, or in a form, that could pose a threat to public health or the environment and (2) the covered actions would not have the potential to cause a significant change in impacts from before the transfer, lease, disposition, or acquisition of interests.

*B1.27 Disconnection of utilities .*

Activities that are required for the disconnection of utility services (including, but not limited to, water, steam, telecommunications, and electrical power) after it has been determined that the continued operation of these systems is not needed for safety.

*B4.6 Additions and modifications to transmission facilities*

Additions or modifications to electric power transmission facilities within a previously disturbed or developed facility area. Covered activities include, but are not limited to, switchyard rock grounding upgrades, secondary containment projects, paving projects, seismic upgrading, tower modifications, load shaping projects (such as the installation and use of flywheels and battery arrays), changing insulators, and replacement of poles, circuit breakers, conductors, transformers, and crossarms.

*B4.10 Removal of electric transmission facilities*

Deactivation, dismantling, and removal of electric transmission facilities (including, but not limited to, electric powerlines, substations, and switching stations) and abandonment and restoration of rights-of-way (including, but not limited to, associated access roads).

*B4.13 Upgrading and rebuilding existing powerlines*

Upgrading or rebuilding approximately 20 miles in length or less of existing electric powerlines, which may involve minor relocations of small segments of the powerlines.

NRRO Approval:  Date: 14 May 2021  
H. S. Miller CX Determination Date