

# memorandum

DATE: December 6, 2012

REPLY TO  
ATTN OF: KEP-4

SUBJECT: Environmental Clearance Memorandum

TO: Michael Marleau – TEP-TPP-1  
Project Manager

**Proposed Action:** Lane Substation 500/230-kV Transformer Phase Separation Project

**Project Work Order Number:** 00298187

**Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021):** B4.6 Additions or modifications to electric power transmission facilities

**Location:** Lane Substation, Lane County, Oregon Township 17 South, Range 5 East, Section 36

**Proposed by:** Bonneville Power Administration (BPA)

**Description of the Proposed Action:** BPA proposes to increase the physical distance that separates each phase of the 500/230-kiloVolt transformer banks at BPA's Lane Substation. The reason for the increased distance is to minimize the effects of a transformer fire or explosion as outlined in the Institute of Electrical and Electronic Engineers, Inc. guidelines for substation fire suppression. A new rigid bus would also be installed to re-connect to the re-spaced transformers. In addition, an oil spill secondary containment system would be installed for the new transformer footings.

All construction activities would occur within the existing substation yard or previously disturbed facility footprint. Once modifications are completed the sites would be fully restored.

**Findings:** BPA has determined that the proposed action complies with Section 1021.410 and Appendix B of Subpart D of the Department of Energy's (DOE) National Environmental Policy Act (NEPA) Regulations (57 FR 15144, Apr. 24, 1992, as amended at 61 FR 36221-36243, July 9, 1996; 61 FR 64608, Dec. 6, 1996, 76 FR 63764, Nov. 14, 2011). The proposed action does not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal. The proposal is not connected [40 C.F.R. 1508.25(a)(1)] to other actions with potentially significant impacts, has not been segmented to meet the definition of a categorical exclusion, is not related to other proposed actions with cumulatively significant impacts [40 C.F.R. 1508.25(a)(2)], and is not precluded by 40 C.F.R. 1506.1 or 10 C.F.R. 1021.211.

Moreover, the proposed action would not (i) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, (ii) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities, (iii) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental

Response, Compensation and Liability Act-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases, (iv) have the potential to cause significant impacts on environmentally sensitive resources, or (v) 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.

This proposed action meets the requirements for the Categorical Exclusion referenced above. We therefore determine that the proposed action may be categorically excluded from further NEPA review and documentation.

/s/ Michael Henjum

Michael Henjum  
Environmental Engineer

Concur: /s/ Katherine S. Pierce

Katherine S. Pierce  
NEPA Compliance Officer

DATE: December 6, 2012

Attachment:  
Environmental Checklist for Categorical Exclusions

## Environmental Checklist for Categorical Exclusions

Name of Proposed Project: Lane Substation 500/230-kV Transformer Phase Separation Project

Work Order #: 00298187

**This project does not have the potential to cause significant impacts on the following environmentally sensitive resources. See 10 CFR 1021, Subpart D, Appendix B for complete descriptions of the resources. This checklist is to be used as a summary – further discussion may be included in the Categorical Exclusion Memorandum.**

<u>Environmental Resources</u>	<u>No Potential for Significance</u>	<u>No Potential, with Conditions (describe)</u>
1. Historic Properties and Cultural Resources Work is to be restricted to the existing prism of the facility. On site inspector or COTR will cease operations if potential cultural resources encountered during any portion of work.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. T & E Species, or their habitat(s) All work will be conducted within the substation yard and associated facilities. No T & E species or their habitat will be affected by this project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Floodplains or wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Areas of special designation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Health & safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Prime or unique farmlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Special sources of water All applicable federal, state, and local requirements for stormwater and sediment control will be implemented during and after project construction. This may include the temporary or permanent installation of stormwater retention ponds, infiltration swales, stormwater energy dissipation BMPs (e.g., rip rap or check dams), use of straw wattles, or any other approved BMP.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Other (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

List supporting documentation attached (if needed):

Signed: /s/ Michael Henjum

Date: December 4, 2012