

# memorandum

DATE: June 12, 2012

REPLY TO  
ATTN OF: KEPR-4

SUBJECT: Environmental Clearance Memorandum

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

**Proposed Action:** Power Circuit Breaker Replacement Project

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

**Location:** Tumwater, Thurston County, WA; Ravensdale, King County, WA; Silver Creek, Lewis County, WA; Shelton, Mason County, WA; Bremerton, Kitsap County, WA; Bandon, Coos County, OR; Toledo, Lincoln County, OR; Wilsonville, Washington County, OR; Gold Beach, Curry County, OR; Stayton, Marion County, OR; Swan Valley, Bonneville County, ID; Moose, Teton County, WY (ID); Gold Creek, Powell County, MT.

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

**Description of the Proposed Action:** The project, as proposed, is to modify or make additions to various existing BPA owned and operated transmission facilities (substations) throughout the BPA service territory. These modifications and additions include: replacing power circuit breakers, replacing circuit switchers, replacing disconnect switches, installation of potential or capacitively coupled voltage transformers and modification of station service. All replacement activities would take place within previously disturbed facilities. The following table summarizes each proposed project area and the associated action:

Substation	Location	Proposed Action
Olympia Substation	Tumwater, Thurston County, WA	Replace one 115-kV power circuit breaker and one 230-kV power circuit breaker.
Raver, P.J. Substation	Ravensdale, King County, WA	Replace one 500-kV power circuit breaker and two 500-kV circuit switchers.
Silver Creek Substation	Silver Creek, Lewis County, WA	Replace one 69-kV power circuit breaker.
Shelton Substation	Shelton, Mason County, WA	Replace two 115-kV power circuit breakers and install potential or capacitively coupled voltage transformers.

Substation	Location	Proposed Action
Kitsap Substation	Bremerton, Kitsap County, WA	Replace one 115-kV circuit switcher.
Bandon Substation	Bandon, Coos County, OR	Replace one 115-kV circuit switcher.
Toledo Substation	Toledo, Lincoln County, OR	Replace one 69-kV circuit switcher.
Oregon City Substation	Wilsonville, Washington County, OR	Replace three 115-kV power circuit breakers and install potential or capacitively coupled voltage transformers.
Rogue Substation	Gold Beach, Curry County, OR	Replace one 115-kV power circuit breaker and install potential or capacitively coupled voltage transformers.
Marion Substation	Stayton, Marion County, OR	Replace two 500-kV power circuit breakers and replace two 500-kV circuit switchers.
Swan Valley Substation	Swan Valley, Bonneville County, ID	Replace one 115-kV power circuit breaker and install potential or capacitively coupled voltage transformers.
Teton Substation	Moose, Teton County, WY (ID)	Replace two 115-kV power circuit breaker and install potential or capacitively coupled voltage transformers.
Garrison Substation	Gold Creek, Powell County, MT	Replace seven 500-kV power circuit breakers, replace one 239-kV disconnect switch and upgrade station service.

**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/ Lisa MacLellan

Lisa MacLellan

Physical Scientist (Environmental)

Concur: /s/ Katherine S. Pierce

Katherine S. Pierce

NEPA Compliance Officer

Date: June 12, 2012

Attachment:

Environmental Checklist for Categorical Exclusions

## Environmental Checklist for Categorical Exclusions

**Name of Proposed Project:** Circuit Breaker Replacement Project – BPA Service Territory

**Work Order #:** 268188, 268326, 268452, 268541, 269316, 299609, 299610, 299611, 299614, 304288, 303977, 303974, 303984, 304163, 303985, 304440

**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 No historic properties affected.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. T & E Species, or their habitat(s) No species or habitat present.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Floodplains or wetlands No floodplains or wetlands impacted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Areas of special designation None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Health & safety None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Prime or unique farmlands No prime or unique farmland impacted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Special sources of water None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Other (describe) None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

List supporting documentation attached (if needed):

Signed: /s/ Lisa MacLellan

Date: June 5, 2012