

Categorical Exclusion Determination

Bonneville Power Administration

Department of Energy



Proposed Action: Troutdale Substation Upgrades and Maintenance Project

Project Manager: Dana Houston Jackson, TEP-CSB-2

Location: Multnomah County, Oregon

Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021): B1.3 Routine maintenance

Description of the Proposed Action: Bonneville Power Administration (BPA) proposes to perform various upgrades and maintenance activities at the Troutdale Substation to conform to current standards for accessibility, health and life safety.

BPA is proposing the following activities at the substation's control house:

- Reinforce external brick walls and perform other external and internal upgrades to meet current seismic standards
- Reroof the building and upgrade the fire alarm system
- Remodel the kitchenette, restrooms and breakroom
- Replace floor tiles and paint interior walls
- Replace all plumbing fixtures and piping
- Rewire the electrical system
- Replace existing interior and exterior lights and rewire them to meet current code
- Replace interior and exterior doors, frames, and related hardware to meet NERC-CIP standards
- Install hand rails and concrete entry stairs to meet Americans with Disabilities standards
- Replace existing heating, ventilation and air conditioning (HVAC) and plumbing systems with new materials
- Install two rooftop HVAC units, one exhaust fan and a condenser on the roof
- Add a fan coil unit in the communications room
- Install ducts or vent registers inside the control house

BPA is proposing the following activities at the substation's microwave building:

- Upgrade and replace the fire alarm system, interior lights, and HVAC unit
- Replace roof ladder with an Occupational Safety and Health Administration (OSHA) compliant ladder and repaint the exterior of the building

BPA is proposing the following activities at the substation's relay house:

- Upgrade and replace fire alarm system and egress lighting
- Install stair tread and handrail improvements
- Replace roof hatch and ladder with an OSHA compliant hatch and ladder
- Miscellaneous electrical improvements

BPA is proposing the following activities within the fenced substation yard:

- Replace the existing, unstable wooden flag pole with a metal replacement
- Excavate to expose existing stormwater drainage pipes that may be leaking and contributing to water pooling on the ground's surface; repair in place as feasible
- Excavate and Install new stormwater drainage pipes within the substation yard, as needed

Findings: In accordance with Section 1021.410(b) 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), BPA has determined that the proposed action:

- (1) fits within a class of actions listed in Appendix B of 10 CFR 1021, Subpart D (see attached Environmental Checklist);
- (2) does not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal; and
- (3) has not been segmented to meet the definition of a categorical exclusion.

Based on these determinations, BPA finds that the proposed action is categorically excluded from further NEPA review.

/s/ Becky Hill

Becky Hill
Contract Environmental Protection Specialist
Flux Resources, LLC

Reviewed by:

/s/ Gene Lynard

Gene Lynard
Supervisory Environmental Protection Specialist

Concur:

/s/ Stacy L. Mason

Stacy L. Mason
NEPA Compliance Officer

Date: January 23, 2017

Attachment(s): Environmental Checklist

Categorical Exclusion Environmental Checklist

This checklist documents environmental considerations for the proposed project and explains why the project would not have the potential to cause significant impacts on environmentally sensitive resources and would meet other integral elements of the applied categorical exclusion.

Proposed Action: Troutdale Substation Upgrades and Maintenance Project

Project Site Description

The project site is located inside the fenced yard of BPA's Troutdale Substation, located in Multnomah County, Oregon. The site consists of the graveled yard, substation equipment, transmission lines, and a control house. The surrounding area has been developed with commercial businesses including the Troutdale Airport. Company Lake, the Columbia River, and the Sandy River are located within a half mile north or east of the Troutdale Substation; however, a large berm separates the project area from these water bodies.

Evaluation of Potential Impacts to Environmental Resources

| Environmental Resource Impacts | No Potential for Significance | No Potential for Significance, with Conditions |
|--|-------------------------------------|--|
| 1. Historic and Cultural Resources | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <p><u>Explanation:</u> BPA initiated Section 106 consultation on April 7, 2016 with the Confederated Tribes of Grand Ronde, the Confederated Tribes of the Warm Springs Reservation of Oregon, the Confederated Tribes and Bands of the Yakama Nation and the Oregon State Historic Preservation Office (SHPO).</p> <p>On August 4, 2016 the BPA Archaeologist determined that no adverse effects to historic properties were expected to occur as a result of the proposed undertaking. On the same date, the BPA Historian determined that the Microwave Building, Relay House and overall substation site were not eligible for listing to the National Register of Historic Places (NRHP), yet the Troutdale Control House (built in 1943) was individually eligible for listing.</p> <p>Oregon SHPO concurred with BPA's determination of effects on August 22, 2016 that the Troutdale Substation does not retain sufficient integrity to be listed as a historic district in the NRHP, and again on September 7, 2016 that the project will result in no historic properties affected.</p> <p>On September 20, 2016, SHPO agreed that proposed exterior improvements to the Troutdale Control House outlined in "Option B" would be result in a finding of no adverse affect if work is conducted adhering to the guidelines provided by the Secretary of Interior's <i>Standards for the Treatment of Historic Properties</i>. However, further consultation with SHPO and the BPA Historian would be required if project activities deviate from Option B or the contractor is not able to adhere to the <i>Standards for the Treatment of Historic Properties</i> document.</p> <p>No response was received from the Confederated Tribes of Grand Ronde, the Confederated Tribes of the Warm Springs Reservation of Oregon, or the Confederated Tribes and Bands of the Yakama Nation.</p> | | |
| 2. Geology and Soils | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p><u>Explanation:</u> Project activities would only occur in the substation gravel yard and existing buildings. Rock inside the substation would not be excavated beyond a depth of 10 feet for the flag pole and stormwater drainage pipes replacements.</p> | | |
| 3. Plants (including federal/state special-status species) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p><u>Explanation:</u> No federal or state special-status plant species requiring protection are known to occur at the site.</p> | | |

4. **Wildlife** (including federal/state special-status species and habitats)



Explanation: No federal or state special-status wildlife species requiring protection are known to occur at the site.

5. **Water Bodies, Floodplains, and Fish** (including federal/state special-status species and ESUs)



Explanation: Company Lake, the Columbia River, and the Sandy River are located within a half mile north or east of the Troutdale Substation. However, a large berm separates the project area from these water bodies and their floodplains. Best management practices (BMPs) for temporary erosion and sediment control would be implemented; therefore, water bodies, floodplains, and fish would not be impacted.

6. **Wetlands**



Explanation: Several wetlands are present near the Troutdale Substation and have been delineated. The closest wetland is approximately 370 feet north of the substation fence. BMPs for temporary erosion and sediment control would be implemented; therefore, wetlands would not be impacted.

7. **Groundwater and Aquifers**



Explanation: Project activities would not impact groundwater or aquifers because the maximum depth of disturbance would not exceed 10 feet.

8. **Land Use and Specially Designated Areas**



Explanation: No change to land use is proposed. The Troutdale Substation is within an area designated as the Reynolds Superfund Site Oregon due to groundwater contamination. A Memorandum of Agreement was signed by the Department of Energy, BPA, and the Environmental Protection Agency on December 14, 2010. The agreement restricted ground-disturbing activities on BPA's substation property, specifically addressing potential impacts to groundwater as a result of activities occurring at a depth greater than 15 feet. This project would not impact groundwater and the maximum depth of project activities would not exceed 10 feet.

9. **Visual Quality**



Explanation: Exterior improvements to the Troutdale Control House to meet current seismic standards would not significantly impact the visual quality of the existing substation. SHPO has approved the proposed exterior improvements.

10. **Air Quality**



Explanation: Small, temporary amounts of dust and vehicle emissions would occur during construction activities.

11. **Noise**



Explanation: Temporary increase in noise would occur during construction activities.

12. **Human Health and Safety**



Explanation: No impact to human health or safety anticipated. All solid and liquid wastes would be disposed of in accordance with the Pollution Abatement Clearance memo.

Evaluation of Other Integral Elements

The proposed project would also meet conditions that are integral elements of the categorical exclusion. The project would not:

- Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders.

Explanation, if necessary:

- Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators) that are not otherwise categorically excluded.

Explanation, if necessary:

- 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.

Explanation, if necessary:

- 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 of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.

Explanation, if necessary:

Landowner Notification, Involvement, or Coordination

Description: BPA owns the substation property in fee and adjacent landowners would not be affected.

Based on the foregoing, this proposed project does not have the potential to cause significant impacts to any environmentally sensitive resource.

Signed: /s/ Becky Hill
Becky Hill, ECT-4
Contract Environmental Protection Specialist
Flux Resources, LLC

Date: January 23, 2017