

United States Government

Department of Energy
Bonneville Power Administration

memorandum

DATE: February 1, 2011

REPLY TO
ATTN OF: KEC-4

SUBJECT: Environmental Clearance Memorandum

TO: Amit Sinha – TEP-CSB-2

Proposed Action: Forest Grove Substation Expansion

Budget Information: Work Order # 255319 Task 03

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

Location: Washington County, OR – Section 32, Township 1 North, Range 3 West of the Forest Grove Quadrangle

Proposed by: Bonneville Power Administration (BPA)

Description of the Proposed Action: BPA is proposing to expand Forest Grove Substation located in Washington County, OR. The purpose of this project is to improve load service and reliability within the Portland vicinity as per the NERC reliability standards. Within the existing Forest Grove Substation, the switchyard fence line would be expanded to the north to make room for a new bay. Additionally, structure 12/1 of the Keeler-Tillamook #1 transmission line would be relocated approximately 10-feet ahead online in order to provide sufficient room to string a new conductor into the substation. If necessary, a tree may be removed from the Northeastern corner of the substation property to make room for a new access road along north perimeter of the substation property.

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). 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, 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, or (iv) adversely affect environmentally sensitive resources.

Based on a site survey and a detailed cultural resource report produced by a BPA in-house archeologist covering the proposed area of potential effect, it was determined that no adverse effects to cultural resources would occur by this project. The cultural resource report and a summary letter were mailed on December 8, 2010 to the Oregon State Historic Preservation Office (SHPO), the Confederated Tribes of

the Grand Ronde Community of Oregon, and the Confederated Tribes of the Siletz. A concurrence letter dated December 14, 2010 was received regarding this cultural resource report from the Oregon SHPO. No written reply was received from the tribes.

The project area is absent of water features, unique wildlife habitat, or other environmentally sensitive resources. Because of the previous disturbance and lack of habitat, no ESA species listed or proposed for listing are likely to be present. There would also be no effect to floodplains or wetlands. It was therefore determined that no adverse environmental effects would occur from construction of the project.

Based on the provisions identified on the attachment below 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 B. Henjum

Michael B. Henjum

Contract Environmental Protection Specialist

Concur:

/s/ James M. Kehoe for

Katherine S. Pierce

NEPA Compliance Officer

DATE: February 1, 2011

Attachments:

Provisions

Environmental Checklist for Categorical Exclusions

Provisions

This categorical exclusion will meet the following provisions:

Cultural Resources:

1. Should archaeological materials be unexpectedly encountered during project activities, the following actions should be taken:
 - Stop work and immediately notify the COTR and a qualified archaeologist. In addition, all concerned Tribes and appropriate county, state, federal agencies should be notified.
 - Implement reasonable measures to protect the discovery site, including any appropriate stabilization or covering.
 - Take reasonable steps to ensure the confidentiality of the discovery site.
 - Take reasonable steps to restrict access to the site of discovery.

Vegetation Protection and Noxious Weeds:

2. Restrict construction activities to the area needed to work effectively. Construction crews will be instructed to restrict vehicles to designated areas and existing roads as much as possible.
3. Designated areas will be used to store equipment and supplies. The contractor will follow applicable state and federal regulations to protect plant communities.
4. After construction, disturbed areas not needed for ongoing access or maintenance will be promptly reseeded with native species where possible.
5. Seed mix for revegetation will contain a mixture of the common native bunchgrasses and dryland species present in the Project area. Native seed is commercially available for this area.
6. Do not spread noxious weed seeds:
 - Certify in writing that all vehicles, equipment, and machinery are free of all weeds including seeds before moving the equipment into the construction area. The COTR will inspect vehicles prior to bringing them on site.
 - When an area contaminated by weeds is encountered on, or off of, the construction site, use caution to prevent the spreading of weeds to other areas. This may include cleaning the equipment with high-pressure water prior to moving from one work site to another, or installing wheel washes. Notify the COTR as to the location of the noxious weeds.
7. Use only weed-free materials, or inert materials for mulching and for erosion control.

Erosion Control and Land Use:

8. Require dust abatement on road and construction site, if necessary.
9. Appropriate erosion and sediment control best management practices will be utilized for the protection of water resources.
10. Provide a schedule of construction activities to all landowners/agencies along the corridor that could be affected by construction.
11. Plan and schedule construction activities, when practical, to minimize temporary disturbance, displacement of crops, and interference with farming activities.
12. Keep gates in as found condition (opened or closed). Coordinate construction sequence with landowner so that livestock may be moved if necessary.

Public Health and Safety:

13. Limit construction to daytime hours for noise abatement.
14. No equipment with un-muffled exhaust is allowed. Fit all equipment with sound-control devices that are as effective as the original equipment.
15. Excess concrete, soil and other material originating from within the substation fence must be properly characterized and disposed of in accordance with all applicable laws.
16. Should contaminated media be unexpectedly encountered during construction of the project, stop work and notify the COTR. Contaminated media include materials that are potentially harmful to the environment or human health and safety. Work will proceed only after measures approved by the ODEQ are put in place to prevent the spread of contaminated materials and protect the health and safety of workers.
17. Equip vehicles with fire suppression equipment, including a shovel, fire extinguisher, and bladder or water supply.
18. Equip construction vehicles with spill containment kits able to respond to construction related spills.

Environmental Checklist for Categorical Exclusions

Name of Proposed Project: Forest Grove Substation Expansion

Work Order #: 255319

This project has been found to not adversely affect the following environmentally sensitive resources, laws, and regulations:

Environmental Resources	No Adverse Effect	No Adverse Effect With Conditions
1. Cultural Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. T & E Species, or their habitat(s)	<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 agricultural lands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Special sources of water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Consistency with state and local laws and regulations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Pollution control at Federal facilities <i>Excess concrete, soil and other material originating from within the substation fence must be properly characterized and disposed of in accordance with all applicable laws.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Note: Supporting documentation is in the Project file.

Signed: /s/ Michael B. Henjum

Date: February 1, 2011