

memorandum

DATE: September 23, 2019

REPLY TO
ATTN OF: EP-4

SUBJECT: Supplement Analysis for the Transmission System Vegetation Management Program FEIS (DOE/EIS-0285/SA-722)

TO: Carlos Mora Flores
Natural Resource Specialist – TFBV-ALVEY

Proposed Action: Vegetation Management along the Cougar-Thurston, Green Peter-Lebanon, and Santiam-Alvey Transmission Line Corridors

Pollution Prevention and Abatement Project No.: 4252

Location: Lane and Linn counties, Oregon

Description of the Proposal: BPA proposes to clear unwanted vegetation in and adjacent to the transmission line corridors and access roads in the BPA Alvey District. Vegetation management needs were assessed on the following corridors, and Vegetation Control Cut Sheets were created and compiled into the FY20 Eugene Bundle #1 statement of work:

- the 115-kilovolt (kV) Cougar-Thurston No. 1, from Cougar Substation to McKenzie Substation
- the entire length of the 115-kV Green Peter-Lebanon No. 1, including the Foster Tap to Green Peter-Lebanon transmission line
- the 230-kV Santiam-Alvey No.1, from Structure 12/5 to Alvey Substation, including the 115-kV Mt. Vernon Tap to Lookout Point-Alvey transmission line, and portions of the 500-kV Marion-Alvey No.1 and Marion-Lane No.1 transmission lines

The corridors in the proposed project area measure from 100 to 515 feet in width and cross approximately 119 miles of terrain through urban/suburban, rural residential, agricultural, private and commercial forestry, Willamette National Forest, Portland District, United States Army Corps of Engineers, and Eugene District, United States Bureau of Land Management lands.

Letters, on-site meetings, emails, and phone calls would be used to notify landowners approximately three weeks prior to commencing vegetation management activities. Door hangers would also be used at properties where special treatments are anticipated. Any additional measures proposed by landowners or land managers through ongoing communication would be incorporated into the vegetation management plan during project implementation.

To comply with Western Electricity Coordinating Council standards, BPA proposes to manage vegetation with the goal of removing tall-growing vegetation that is currently or will soon become a hazard to the transmission line (a hazard is defined as one or more branches, tops, and/or whole trees that could fall or grow into the minimum safety zone of the transmission line(s) causing an electrical arc, relay and/or outage). The overall goal of BPA is to establish

low-growing plant communities along the right-of-way (ROW) to control the development of potentially threatening vegetation.

A combination of selective and nonselective vegetation control methods would be used to perform the work, and may include hand cutting, mowing, herbicidal treatment, or a combination of those methods. Herbicides would be selectively applied using spot treatment (stump or stubble treatment, basal treatment, and/or spot foliar) or localized treatments (broadcast application and cut stubble treatments) with chemicals approved in BPA's Transmission System Vegetation Management Program Final Environmental Impact Statement (FEIS) (DOE/EIS-0285, May 2000), to ensure that the roots are killed - preventing new sprouts - and selectively eliminating vegetation that interferes with the operation and maintenance of transmission infrastructure.

Approximately 1,491 acres of ROW, 42 structure sites, and 37 miles of access road would be initially treated in fall and winter of 2019/2020. In addition, BPA proposes to remove up to 311 trees in, or adjacent to, the ROW, and limb up to 1,982 trees along the edge of the ROW. A follow-up treatment of re-sprouting target vegetation would be conducted on approximately 1,437 acres of ROW by fall of 2020; however, additional vegetation management may be necessary in subsequent years in discrete areas of noxious weeds, or where BPA personnel discover vegetation that poses a hazard to the transmission line. All debris would be disposed of onsite, along the ROW, using on-site chip, lop and scatter, or mulching techniques.

Analysis: Vegetation Control Cut Sheets were developed for these corridors that incorporate the requirements identified in BPA's Transmission System Vegetation Management Program FEIS and Record of Decision (August 23, 2000). The following summarizes natural resources occurring in the project area along with applicable mitigation measures outlined in the Vegetation Control Cut Sheets.

Water Resources: Water bodies (streams, rivers, lakes, wetlands) occurring in the project area are noted in the Vegetation Control Cut Sheets. As conservation and avoidance measures, only spot and localized treatment with Garlon 3A (Triclopyr TEA) would be used within a 100-foot buffer up to the water's edge of any stream containing threatened or endangered species. Trees in riparian zones would be selectively cut to include only those that will grow into the minimum approach distances of the conductor at maximum sag; other trees would be left in place or topped to preserved shade. Shrubs that are less than 10-feet-high would not be cut where ground to conductor clearance allows. No ground-disturbing vegetation management methods would be implemented, thus eliminating the risk for soil erosion and sedimentation near the streams. Where private water wells/springs or agricultural irrigation sources have been identified along the ROW and noted in the Vegetation Control Cut Sheets, no herbicide application would occur within a 50-foot radius of the wellhead, spring, or irrigation source (164 feet when using herbicides with ground/surface water advisory).

Endangered Species Act and Magnuson-Stevens Act: Pursuant to its obligations under the Endangered Species Act (ESA), BPA has made a determination of whether its proposed project would have any effects on any listed species. A species list was obtained for federally-listed, proposed, and candidate species potentially occurring within the project boundaries from the United States Fish and Wildlife Service (USFWS). Based on the ESA review conducted, BPA made a determination that the project would have "No Effect" for all ESA-listed species and

designated critical habitat under USFWS' jurisdiction, except northern spotted owl critical habitat.

Proposed vegetation management activities within northern spotted owl critical habitat are within the scope of activities and action area evaluated in the USFWS's letter of concurrence (LOC) regarding: *Routine Land Management Activities within the Willamette Planning Province of Oregon with a Potential to Modify Habitat, which are Not Likely to Adversely Affect Federally Listed Species*, sent to the Eugene District, Bureau of Land Management; Salem District, Bureau of Land Management; Mt. Hood National Forest; Willamette National Forest; and the Columbia River Gorge National Scenic Area. Project activities in northern spotted owl critical habitat have been noted in the Vegetation Control Cut Sheets. It has been determined that, by complying with the project design criteria and management standards listed within the above-mentioned LOC, potential effects to northern spotted owl critical habitat would be consistent with those evaluated and addressed in the above-mentioned consultation and LOC.

BPA conducted a review of ESA-listed species and Essential Fish Habitat (EFH) (as defined by the Magnuson-Stevens Act), under the jurisdiction of the National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS). The proposed vegetation management activities are within the scope of activities and action area evaluated in the *Endangered Species Act Section 7 Programmatic Conference and Biological Opinion and Magnuson-Stevens Fishery Conservation and Management Act Essential Fish Habitat Consultation for Standard Local Operating Procedures for Endangered Species to Administer Maintenance or Rebuild Projects for Transmission Line and Road Access Actions Authorized or Carried Out by the Bonneville Power Administration in Oregon, Washington, and Idaho* (SLOPES PBO) (WCR-2014-1600, September 22, 2016). Streams in the project area with documented presence of ESA-listed fish, designated as critical habitat for one or more species, and/or identified as Essential Fish Habitat (EFH) have been noted in the Vegetation Control Cut Sheets. It was determined that, by complying with the project design criteria listed within the SLOPES PBO, potential effects to ESA-listed anadromous salmonids and EFH would be consistent with those evaluated and addressed in the SLOPES PBO.

Cultural Resources: The proposed vegetation management actions do not result in ground disturbance to the physical environment, so the action is not one that typically has the potential to affect historic and/or cultural resources. If a site is discovered during the course of vegetation control, work would be stopped in the vicinity and the BPA Environmental Specialist and the BPA archeologist would be contacted.

Re-Vegetation: Existing naturalized grasses and woody shrubs are present on the entire ROW and are expected to naturally seed into the areas that would have lightly-disturbed soil predominantly located on the ROW roads.

Monitoring: The entire project would be inspected during the work period, fall and winter 2019/2020 through fall 2020. A vendor scorecard would be used to document formal inspections and would be filed with the contracting officer.

Findings: This Supplement Analysis finds that: (1) the proposed actions are substantially consistent with the Transmission System Vegetation Management Program FEIS (DOE/EIS-0285) and ROD and (2) there are no new circumstances or information relevant to environmental concerns and bearing on the proposed actions or their impacts. Therefore, no further NEPA documentation is required.

/s/ Oden W. Jahn

Oden W. Jahn

Environmental Scientist

CONCUR:

/s/ Sarah T. Biegel

Sarah T. Biegel

NEPA Compliance Officer

DATE: September 23, 2019

References:

Vegetation Management Prescription and Checklist
Effects Determination