

Table S-2 and Table 2-4: Summary of Impacts of Short-Line Alternatives, McNary-John Day Transmission Project

McNary Substation Alternatives			Hanford-John Day Junction Alternatives			Corridor Mile 32 Alternatives		Corridor Mile 35 Alternatives	
Alternative A	Alternative B	Alternative C	Alternative A	Alternative B	Alternative C	Alternative A	Alternative B	Alternative A	Alternative B
Wildlife viewing temporarily obstructed; no impact to soils; some sedimentation to Columbia River and pond habitat; about 0.1 acre of trees in wetland; about 2 acres grassland removed for building relocation; about 2 acres marginal grassland habitat removed; no cultural resource impacts with mitigation; recreationists and travelers would have views of construction; no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	Wildlife viewing temporarily obstructed; no impact to soils; some sedimentation to Columbia River and pond habitat, though less ground disturbance than Alternative A, but closer to river; about 0.2 acre of willows in wetland removed; cottonwood trees and vegetation removed; bird nesting and ground dwelling animal habitat removed, increased risk of avian collisions; no cultural resource impacts with mitigation; recreationists and travelers would views of construction; no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	No recreation impacts anticipated; no impact to soils; slight increased (than Alternative A or Alternative B) sedimentation to Columbia River and pond habitat though ground disturbance and permanent surface of bus work; minor sediments to wetland; about 0.7 acre of grassland removed for bus work; negligible wildlife impacts; no cultural resource impacts with mitigation; recreationists, travelers, and residence would have views of bus work; no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About 1-5 <u>2.4</u> acres of grazing land permanently disturbed, no impact to soils; no impact to fish/water; invasive <i>Ailanthus</i> sp. trees in wetland may be removed; sedimentation to small wetland; about 1-6 <u>2.4</u> acres of vegetation permanently impacted; negligible wildlife impacts; no cultural resource impacts with mitigation; views of line from highway and residence (less than Alternative B or C); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About 1-5 <u>3.6</u> acres of grazing land permanently disturbed, residence may need to be removed; no impact to soils; no impact to fish/water; trees in wetland may be removed, sedimentation to small wetland; about 1-3 <u>6</u> acres of vegetation permanently impacted, 10 <u>12</u> invasive <i>Ailanthus</i> sp. trees removed; loss of trees reduce bird nesting habitat; no cultural resource impacts with mitigation; Fuhrman Ranch is eligible for listing in the National Register and would be impacted with the construction of Alternative B; views of line from highway and residence (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise and corona noise; no specific health and safety impacts	About 1-5 <u>6.8</u> acres of grazing land permanently disturbed, residence may need to be removed; no impact to soils; no impact to fish/water; invasive <i>Ailanthus</i> sp. trees in wetland may be removed; sedimentation and potential fill in small wetland; about 1-6 <u>8</u> acres of vegetation permanently impacted, 10 <u>12</u> invasive ailanthus sp. trees removed; loss of trees reduce bird nesting habitat; no cultural resource impacts with mitigation; Fuhrman Ranch is eligible for listing in the National Register and would be impacted with the construction of Alternative C; views of line from highway and residence (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise and corona noise; no specific health and safety impacts	About 0.8 acre of cropland removed from production; no impact to soils; no impact to fish/water; no wetland impacts; about 4 <u>0.8</u> acre grazed shrub-steppe impacted; minor impacts to grazed shrub-steppe designated Priority Habitat by WDFW agricultural land removed; no cultural resource impacts with mitigation; travelers on highway and agricultural workers would view line (less than Alternative B); agreement between tribes and Bonneville needed to cross tribal; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About 0-6 <u>1.0</u> acre of cropland permanently impacted; removed from production; no impact to soils; no impact to fish/water; no wetland impacts; about 5-5 <u>1.0</u> acres grazed shrub-steppe impacted; about 1 acre of marginal agricultural habitat removed; no cultural resource impacts with mitigation; travelers on highway and agricultural workers would view line (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About 0.8 acre of cropland grazing land permanently impacted removed from production; no impact to soils; slight sedimentation to Columbia River (less than Alternative B); no wetland impacts; no vegetation impacts <u>0.8 acre of grazed shrub-steppe removed;</u> minor impact to heavily grazed shrub-steppe habitat; no cultural resource impacts with mitigation; travelers on highway and agricultural workers would view line (less than Alternative B); agreement between tribes and Bonneville needed to cross tribal; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About 0-6 <u>1.0</u> acre of cropland grazing land permanently impacted; no impact to soils; slight sedimentation to Columbia River (more than Alternative A); no wetland impacts; about 5-5 <u>1.0</u> acres grazed shrub-steppe permanently impacted; minor impact to heavily grazed shrub-steppe habitat (more than Alternative A); no cultural resource impacts with mitigation; a potentially eligible archaeological site (12.04-WA-02) would be impacted with construction of Alternative B; travelers on highway and agricultural workers would view line (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts