

Programmatic Environmental Impact Statement

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Acronyms and Abbreviations

°F	degrees Fahrenheit	ATNI	Affiliated Tribes of Northwest Indians
AASHTO	American Association of State Highway and Transportation Officials	AVWS	audio-visual warning system
AC	air conditioning	B&O	business and occupation
ACEG	Americans for a Clean Energy Grid	BBS	breeding bird survey
ACHP	Advisory Council on Historic Preservation	BEA	Bureau of Economic Analysis
ACI	American Concrete Institute	BESS	battery energy storage system
ACS	American Community Survey	BLM	Bureau of Land Management
ACSR	aluminum conductor steel-reinforced	BLS	Bureau of Labor Statistics
AEP	American Electric Power	BMP	best management practice
AESD	Association of Education Service Districts	BPA	Bonneville Power Administration
AGL	above ground level	CAFE	Corona and Field Effects
AHJ	Authority Having Jurisdiction	CALTRANS	California Department of Transportation
AI	artificial intelligence	CARA	Critical Aquifer Recharge Area
AISI	American Iron and Steel Institute	CCA	Climate Commitment Act
ANSI/ASA	American National Standards Institute / Acoustical Society of America	CCC	Civilian Conservation Corps
ANSI/ASSP	American National Standards Institute / American Society of Safety Professionals	CEATI	Centre for Energy Advancement Through Technological Innovation
APA	American Planning Association	CEC	Commission for Environmental Cooperation
APE	area of potential effect	CEJST	Climate and Economic Justice Screening Tool
APHA	American Public Health Association	CEQ	Council on Environmental Quality
APLIC	Avian Power Line Interaction Committee	CEQA	California Environmental Quality Act
APP	Avian Protection Plan	CETA	Clean Energy Transformation Act
ASCE	American Society of Civil Engineers	CFR	Code of Federal Regulations
ATC	all-terrain vehicle	CH ₄	methane
		CI	Construction Institute

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CIE	Commission Internationale de l'Eclairage	DPS	distinct population segment
cm	centimeters	DS	Determination of Significance
CMP	Corridor Management Plan	Ecology	Washington State Department of Ecology
CO	carbon monoxide	EDNA	Environmental Designation for Noise Abatement
CO ₂	carbon dioxide	EERI	Earthquake Engineering Research Institute
Covered Agencies	Washington State Departments of Ecology, Agriculture, Commerce, Health, Natural Resources, Transportation, and the Puget Sound Partnership	EFSEC	Washington Energy Facility Site Evaluation Council
CPUC	California Public Utility Commission	EHD	environmental health disparities
CPUD	Clatskanie People's Utility District	EIA	economic impact analysis
CRP	Conservation Reserve Program	EIS	Environmental Impact Statement
CSZ	Cascadia Subduction Zone	EISA	Energy Independence and Security Act
CWA	Clean Water Act	EJScreen	Environmental Justice Screen
CZMA	Coastal Zone Management Act	ELF	extremely low frequency
DAHP	Washington State Department of Archaeology and Historic Preservation	EMF	electromagnetic field(s)
dB	decibels	EMI	electromagnetic interference
dBA	A-weighted decibels	EMS	emergency medical services
dbh	diameter at breast height	EO	Executive Order
DNR	Washington State Department of Natural Resources	EPA	U.S. Environmental Protection Agency
DNS	Determination of Non- Significance	ESA	Endangered Species Act
DOC	Department of Commerce	ESD	Washington State Employment Security Department
DOD	Department of Defense	ETL	extract, transform, load
DOE	U.S. Department of Energy	FAA	Federal Aviation Administration
DOH	Department of Health	FAC	Facilities Design, Connections, and Maintenance
DOI	Department of Interior	FC	federally listed candidate
DOR	Department of Revenue	FDOT	Florida Department of Transportation
		FE	federally listed endangered

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FEMA	Federal Emergency Management Agency	Hz	hertz
FERC	Federal Energy Regulatory Commission	I	Interstate
FGTS	Freight and Goods Transportation System	IBA	Important Bird Area
FHWA	Federal Highway Administration	IBL	Information By Location
FLPMA	Federal Land Policy and Management Act	ICC	International Code Council
FPA	Federal Power Act	ICNIRP	International Commission on Non-Ionizing Radiation Protection
FPPA	Farmland Protection Policy Act	IEEE	Institute of Electrical and Electronics Engineers
FR	Forest	IFR	Instrument Flight Rules
FSP	Freight System Plan	ISO	International Organization for Standardization
FT	federally listed threatened	IUCN	International Union for Conservation of Nature
FTA	Federal Transit Administration	JBLM	Joint Base Lewis-McChord
GAO	Government Accountability Office	JSP	Job Skills Program
GAOC	Geographic Area of Concern	km	kilometers
GDP	gross domestic product	km ²	square kilometers
GEM	Global Earthquake Model	KOP	key observation point
GHG	greenhouse gas	kV	kilovolt(s)
GIS	geographic information system	LANDFIRE	Landscape Fire and Resource Management Planning Tools
GMA	Growth Management Act	LEAD	Low-Income Energy Affordability Data
GVWR	gross vehicle weight rating	LED	light emitting diode
GWMA	Groundwater Management Area	L _{eq}	equivalent continuous sound level
HDD	horizontal directional drilling	L _{eq} [8Hr]	equivalent noise level over 8 hours
HDPE	high-density polyethylene	LiDAR	Light Detection and Ranging
HEAL	Healthy Environment for All	LOS	level of service
HMP	habitat mitigation plan	LST	lattice steel tower
HPA	Hydraulic Project Approval	MBF	thousand board feet
HUC	hydrologic unit code	MDNS	mitigated determination of nonsignificance
HVAC	heating, ventilation, and air conditioning	mi ²	square miles
HVDC	high-voltage direct current	MLRA	Major Land Resource Area
		mm/yr	millimeters per year
		MOA	Military Operations Area

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MRSC	Municipal Research and Services Center	NO ₂	nitrogen dioxide
MRWPS	Management Recommendations for Washington's Priority Species	NOAA	National Oceanic and Atmospheric Administration
MTR	military training route	NOTAM	Notice to Air Missions
M _w	moment magnitude	NO _x	nitrogen oxides
MW	megawatts	NPDES	National Pollutant Discharge Elimination System
MWR	Morale, Welfare, and Recreation	NPS	National Park Service
NA	not applicable	NRC	National Research Council
NAAQS	National Ambient Air Quality Standards	NRCA	Natural Resource Conservation Area
NAP	Natural Area Preserve	NRCS	Natural Resources Conservation Service
NASWI	Naval Air Station Whidbey Island	NREL	National Renewable Energy Laboratory
NB	Northbound	NRHP	National Register of Historic Places
NCC	Nature Conservancy Canada	NRSIG	Natural Resource Spatial Informatics Group
NEC	National Electrical Code	NWI	National Wetlands Inventory
NEMA	National Electrical Manufacturers Association	NWPCC	Northwest Power and Conservation Council
NEPA	National Environmental Policy Act	NWPPA	Northwest Public Power Association
NERC	North American Electric Reliability Corporation	NWSRS	National Wild and Scenic Rivers System
NESC	National Electrical Safety Code	NWTRC	Northwest Training Range Complex
NFMA	National Forest Management Act	OFM	Washington State Office of Financial Management
NFPA	National Fire Protection Agency	OHV	Off-Highway Vehicle
NHL	National Historic Landmark	OSHA	Occupational Safety and Health Administration
NHPA	National Historic Preservation Act	OSPI	Washington Office of Superintendent of Public Instruction
NIEHS	National Institute of Environmental Health Sciences	OWI	Oregon Wildlife Institute
NIETC	National Interest Electric Transmission Corridor	PA	Programmatic Agreement
NIOSH	National; Institutes of Science and Health	PAR	Phase angle regulator
NO	nitric oxide	PCB	polychlorinated biphenyl
		PHS	Priority Habitat and Species

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PM	particulate matter	SAR	Specific Absorption Rate
PM ₁₀	particulate matter less than 10 microns	SARA	Superfund Amendments and Reauthorization Act
PM _{2.5}	particulate matter less than 2.5 microns	SB	Senate Bill
PNSN	Pacific Northwest Seismic Network	SC	state candidate for listing
PNUCC	Pacific Northwest Utilities Conference Committee	SE	state-listed endangered
PRPA	Paleontological Resources Preservation Act	SEA-TAC	Seattle-Tacoma International Airport
PRPA	Platte River Power Authority	Section 106	Section 106 of National Historic Preservation Act
PSCW	Public Service Commission of Wisconsin	SEI	Structural Engineering Institute
PSD	Prevention of Significant Deterioration	SEPA	State Environmental Policy Act
PSE	Puget Sound Energy	SF ₆	sulfur hexafluoride
PSPS	public safety power shutoffs	SH	The Interorganizational Committee on Guidelines and Principles for Social impact assessment
PTBA	Public transportation benefit area	SIA	State Historic Preservation Office
PUD	Public Utility District	SHPO	subject matter expert
PVC	polyvinyl chloride	SME	Surface Mining Overlay
RCO	Washington State Recreation and Conservation Office	SMO	Shoreline Master Program
RCW	Revised Code of Washington	SMP	small modular reactor
REPI	Readiness and Environmental Protection Integration	SMR	sulfur dioxide
RFA	Reasonably foreseeable action	SO ₂	sulfur oxide
RFD	reasonably foreseeable development	SO _x	Special Protection Area
RMP	Risk Management Plan	SPA	Seattle Public Utilities
RMPA	resource management plan amendment	SPU	State Route
ROD	Record of Decision	SR	state-listed sensitive species
ROW	right-of-way	SS	sole source aquifer
RSEI	Risk-Screening Environmental Indicators	SSA	state-listed threatened
RTA	regional transit authority	ST	Static Synchronous Compensator
RTO	regional transmission organization	STATCOM	Special Use Airspace
		SUA	State Wildlife Action Plan
		SWAP	Surface Water Protection Area
		SWPA	Tunnel boring machine
		TBM	Traditional Cultural Place
		TCP	Transmission Corridors
		TCWG	Work Group

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THPO	Tribal Historic Preservation Office	WAPA	Western Area Power Administration
TIA	Traffic Impact Assessment	WDF	Washington Department of Fisheries
TMDL	total maximum daily load	WDFW	Washington Department of Fish and Wildlife
TOCS	the Oregon Conservation Strategy	WECC	Western Energy Coordination Council
transmission facilities	High-voltage electric transmission facilities	WFWC	Washington Fish and Wildlife Commission
TRI	Toxic Release Inventory	WHCWG	Washington Wildlife Habitat Connectivity Working Group
TSP	tubular steel pole	WHPA	Wellhead Protection Area
TTES	Transformer Network	WHR	Washington Heritage Register
U&A	Usual and Accustomed Area	WISAARD	Washington Information System for Architectural and Archaeological Records Data
U.S.	United States	WISC	Washington Invasive Species Council
UESI	Utility Engineering and Surveying Institute	WMDEMD	Washington Military Department Emergency Management Division
USACE	U.S. Army Corps of Engineers	WNHP	Washington Natural Heritage Program
USC	United States Code	WOTUS	Waters of the United States
USDA	U.S. Department of Agriculture	WPA	Works Progress Administration
USDOT	U.S. Department of Transportation	WPPA	Washington Public Ports Association
USFS	U.S. Department of Agriculture, Forest Service	WPUDA	Washington Public Utility Districts Association
USFWS	U.S. Fish and Wildlife Service	WRCC	Western Regional Climate Center
USGS	U.S. Geological Survey	WSDOSH	Washington State Department of Social and Health Services
USN	U.S. Navy	WSDOT	Washington State Department of Transportation
UST	underground storage tank	WSPRC	Washington State Parks and Recreation Commission
UTC	Washington Utilities and Transportation Commission		
UV	ultraviolet		
VFR	Visual Flight Rules		
VMP	vegetation management plan		
VOC	volatile organic compound		
WA	Washington		
WAC	Washington Administrative Code		

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WSRRI	Washington Shrubsteppe Restoration and Resiliency Initiative	WTSC	Washington Traffic Safety Commission
WTA	Washington Trails Association	XLPE	Cross-linked polyethylene
WTN	Washington Tracking Network	YFTB	Yakima fold and thrust belt

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