

6.0 LIST OF PREPARERS

The Whistling Ridge Energy Project EIS was prepared by the Washington Energy Facility Site Evaluation Council (EFSEC) and Bonneville Power Administration (BPA), with the assistance of URS Corporation (URS), a consulting firm, West Inc., Northwest Wildlife Consultants, GeoDataScape, and Carroz Consulting. In addition, ENTRIX Consulting was retained by Washington EFSEC to provide an independent, third-party review of the EIS for SEPA and NEPA compliance. The following lists those individuals who participated in the preparation of this EIS. Consultant disclosure statements required under NEPA (*see* 40 CFR 1506.5(c) and 10 CFR 1021.310) are included in Appendix F of this EIS.

6.1 WASHINGTON EFSEC

Al Wright, EFSEC Manager.

Stephen Posner, EFSEC Compliance Manager. Mr. Posner has over 25 years experience working in various environmental regulatory programs. As EFSEC's Compliance Manager for the last 3 years, Mr. Posner is responsible for managing environmental compliance activities for facilities under EFSEC's jurisdiction. Mr. Posner also coordinates and participates in the review of applications for site certification. Prior to working at EFSEC, Mr. Posner worked for the California Environmental Protection Agency as a hazardous waste/solid waste compliance inspector. Education: Bachelor's Degree in Biological Sciences.

Jim La Spina, EFSEC Compliance Specialist. Jim has been a state environmental regulator for almost 14 years. He wrote NPDES Permits for Ecology for 11 years and joined EFSEC in September 2007 as an Energy Facility Siting Specialist. Jim is responsible for coordinating the review of a project proponent's Application for Site Certification. After the governor approves a proposed project, Jim verifies the Certificate Holder's compliance with requirements in the Site Certification Agreement. Education: Masters in Environmental Studies.

6.2 BPA

Andrew M. Montaña, EIS Project Manager, Environmental Protection Specialist. Mr. Montaña has nearly 20 years experience within the environmental field. His primary background was in water quality-related research while working as an Aquatic Biologist with his former agency, the Bureau of Reclamation. Additionally, he has also specialized in toxicology and hazardous wastes site management, nuisance species control, and some fisheries-related activities. His NEPA experience includes projects that proposed modified flow regimes on regulated rivers in the western United States as well his recent experience with transmission-related projects. Education: MS in Environmental Science and Engineering; BS in General Studies (biology emphasis)

Amy Freel, Electrical Engineer. Mrs. Freel has 19 years of experience working at BPA of which she has been an electrical engineer for 14 years. She worked as a Substation Designer for 10 years, a Customer Service Engineer for 1 year, and as a Project Manager for the last 3 years. In her role as an electrical engineer, she designed and managed the installation of high voltage projects from the planning stage through the commissioning stage. Projects include new and up grades to substations and transmission lines 500kV and below. Education: BS, Electrical Engineering

Hub Adams, Attorney. Mr. Adams has 20 years of experience preparing environmental documents for compliance with NEPA, state “little NEPA” laws, and other environmental laws. As BPA’s NEPA attorney, he is responsible for ensuring NEPA compliance for BPA’s activities and assisting in the preparation of EISs and other NEPA documents. Prior to BPA, he worked as an environmental consultant managing and preparing joint NEPA/state EISs, other environmental documents, and project permitting processes for a variety of proposed projects, including complex energy, mining, and transportation projects. He is a member of the American Planning Association (APA) and the American Institute of Certified Planners (AICP). Education: JD, Certificate in Environmental and Natural Resources Law; BA, Urban and Regional Planning.

6.3 CONSULTANTS

6.3.1 URS

Katy Chaney, Project Manager. Ms. Chaney has over 27 years of experience. As vice president and manager of URS’s Pacific Northwest environmental services, her management responsibilities include environmental impact statements, permitting efforts, and planning and siting studies. Education: BA, Political Science.

Dale Bennett, JD, Senior Planner. Mr. Bennett has 20 years of experience managing large and small planning, land use, regulatory, and remote sensing projects.

Mark DuLaney, Senior Graphics Illustrator. Mr. DuLaney has over 30 years of experience in graphic illustration and design. He has experience using Corel Draw and Corel Photo Paint, PageMaker, and Power Point. Education: Air Force 223X1 course in Technical Illustration and drawing classes at The New School of Visual Concepts.

David Every, PhD, Senior Ecologist. Dr. Every has over 30 years of experience as an environmental consultant on wetland and terrestrial ecological issues throughout the United States. Education: PhD, Botany; MS, Botany; BS, Zoology.

Mike Kelly, Senior Archaeologist. Mr. Kelly has 27 years of experience in cultural resource management and has been responsible for directing numerous archaeological investigations throughout the Pacific Northwest, California, and the Great Basin. Education: MA, Anthropology; BA, Anthropology.

Louise Kling, Ecologist and Environmental Planner. Ms. Kling has over 15 years of experience in fisheries and wildlife research, with an emphasis on disturbance ecology. She is well versed in survey methods used to quantify a variety of taxa, including terrestrial and aquatic habitat. She has implemented and managed projects for public agency, university, and private sector clients. Her analytical skills include a wide range of multivariate statistical methods and spatial analysis using GIS. For the past three years, she has focused on visual resource assessment and ecological design, land use evaluation, and environmental justice in support of the NEPA process. Her experience in visual resources assessment includes BLM, USFS, FHWA, and US Army Corps of Engineers methodologies and management of georeferenced photosimulation production. Her expertise has been applied to energy facilities siting, energy transmission, pipeline and transportation projects. In addition, she currently serves as a visual resources technical advisor to the Columbia River Gorge Vital Signs Indicator Project.

Sarah McDaniel, RPA, Staff Archeologist. Ms. McDaniel provides technical support for URS Corporation's cultural resources program in the Pacific Northwest Region and California. Responsibilities include archaeological site identification, recordation, and evaluation; historic resource documentation; and preparation of summary reports for compliance with federal and state regulations. Ms. McDaniel has six years of experience in cultural resources management and archaeological investigations.

Dan Meier, Engineering Geologist. Mr. Meier is a Certified Engineering Geologist located in Portland, Oregon. He has over 17 years of professional geologic experience in the western United States. His specialties include on-site geologic mapping, subsurface exploration, as-constructed geologic mapping, construction inspection, interpretation of field data, and preparation of maps and reports. He is experienced in seismic hazard evaluations, landslide evaluations, engineering geology and construction management and inspection.

Dautis Pearson, Environmental Planner. Mr. Pearson is a Senior Planner, NEPA, Endangered Species Act, and Federal/State agency and private compliance specialist. He has 23 years of experience in land management planning; interdisciplinary and interagency team leading and facilitation, and NEPA/SEPA environmental preparation. Dautis' experience with all federal agencies' NEPA and Endangered Species Act process provides great insight into various agency directions for collaboration and streamlining. He has 12 years of experience with USFS as a Land Use Planning Specialist and has supported or managed several energy and transmission related or linear projects. Education: BS, Biology; Riparian and Fire Ecology; Forestry; Silviculture.

Mark Storm, Senior Noise Control Engineer. Mr. Storm has over 18 years of experience managing tasks for environmental noise regulation review, field surveys, acoustical impact assessment, mitigation planning and compliance evaluation for various energy project types such as solar-to-thermal, wind turbine, biomass and natural gas. He is INCE board certified.

Jeff Walker, Botanist and Wetland Biologist. Mr. Walker has over 10 years of experience as a botanist. He has conducted vascular and nonvascular plant surveys, performed monitoring of rare plant populations, and conducted wetland delineations and evaluations. Education: BS, Botany and Environmental Studies.

6.3.2 WEST

Kimberly Bay. Ms. Bay has 9 years of experience working primarily on the coordination of the data and reports for wind-energy projects. This task includes data and database management, data quality assurance/quality control, data analysis, and finally compiling the results for the reports. She has experience with most statistical computer packages including SAS, R, SPLUS, and SPSS, the database application ACCESS, and the GIS application ARCVIEW.

Greg Johnson. Mr. Johnson has over 22 years of consulting experience in wildlife and ecological studies. He is a Certified Wildlife Biologist through The Wildlife Society, a Professional Wetland Scientist through the Society of Wetland Scientists, and a certified Senior Ecologist through the Ecological Society of America. His specialty areas include wildlife research with an emphasis on contaminants and wind power development; endangered species; wetland delineation, mitigation, and functional value assessment; and vegetation sampling. He has supervised 17 field studies to assess effects on terrestrial and aquatic wildlife of pesticides

and other contaminants throughout the US. Over the last 14 years, he has studied wildlife-windpower interactions at proposed or existing wind energy facilities in 16 US states and Alberta, Canada, and is currently Project Manager for the first large-scale greater sage-grouse telemetry study to evaluate impacts of wind energy development on this species.

Tamara Enz, Research Biologist. Tamara Enz is a project manager and biologist for WEST. After becoming fluent in Japanese, Tamara learned the more challenging language of botanical terms, earning a Master's of Science in plant biology at the University of Massachusetts, Amherst. Working throughout New England, Puerto Rico, and Montana, Tamara conducted community and wetland delineations and habitat suitability studies, coordinated rare plant searches, and participated in numerous research projects ranging from genetics studies to weed control. She has also done extensive bird work, including breeding and migratory bird surveys and point counts, banding, and call playback response surveys in New England, Alaska, Montana, and Canada. Her mammalian experience includes an ice based bowhead whale census in Barrow, Alaska, lynx tracking surveys in Wyoming, and general track surveys in Maine.

Jeffrey Gruver, Research Biologist. Jeff Gruver joined WEST in 2007. Jeff has been involved in bat research since 1996, and has studied bat ecology in the Pacific Northwest, the Rocky Mountains, and the Badlands of southern Alberta. He earned a B.S. in Economics (1993) from Penn State University and an M.S. in Zoology and Physiology from the University of Wyoming (2002). Jeff's M.S. research examined the assemblage of bats near a wind power facility in southern Wyoming in relation to documented bat fatalities at the facility. His PhD research focused on the how physiological constraints influence ecological responses of bats in northern arid climates. Jeff has authored or co-authored scientific publications on topics ranging from species conservation assessments to factors influencing bat fatality risks at wind energy installations.

6.3.3 NORTHWEST WILDLIFE CONSULTANTS

Scott Downes, Bob Gritski, and Karen Kronner. Northwest Wildlife Consultants, Inc. is an environmental consulting firm based in eastern Oregon and Washington. They specialize in wind energy studies and bird, reptile, amphibian and mammal surveys. They are partnering with the WDFW and Oregon Department of Fish and Wildlife on ferruginous hawk telemetry studies in the Columbia Basin.

6.3.4 GEODATASCAPE

Chris Watson. Mr. Watson, owner of GeoDataScape, has over ten years of experience in providing GIS and visual simulation experience for a variety of projects. He has worked as a field geologist. Education: MS and BS, Geology.

6.3.5 TURNSTONE ENVIRONMENTAL

Jeff Reams, Wildlife Biologist. Mr. Reams is also a partner with Turnstone Environmental Consultants, Inc. for 14 years. He is the senior wildlife biologist and oversees the northern spotted owl, northern goshawk and western gray squirrel surveys. Education: BS Oregon State University

Devin Sahl, Wildlife Biologist. Mr. Sahl has been employed by Turnstone Environmental Consultants Inc. for past 8 years. He served as a wildlife biologist and as the field coordinator on the Whistling Ridge project. He was involved with the northern spotted owl, northern goshawk and the western gray squirrel survey efforts associated with the project.

6.3.6 CARROZ CONSULTING

Katie Carroz, Socioeconomist. Ms. Carroz has 10 years of environmental analysis experience specializing in economic, socioeconomic, environmental justice, demographic, and fiscal analyses, and EIS preparation and coordination. Education: MA, Economics with an emphasis on natural resources; BA, Economics with minor in environmental studies.

6.3.7 ENTRIX

Jeremy Pratt, Project Manager. Jeremy Pratt leads the ENTRIX Western Division Environmental Management, Permitting and Compliance practice. Jeremy has more than 30 years' experience preparing environmental documents for compliance with NEPA, and throughout his career he has focused on managing large-scale, controversial projects to resolve long-standing resource conflicts in complex regulatory environments. Jeremy works with project applicants and local stakeholders concerned with the development, use, protection or environmental management of their sites, communities, or resources. He works easily in both the technical and policy areas to evaluate the environmental effects of proposed actions, programs, or projects; achieve permits and assure regulatory compliance; or develop management plans. Education: BS Interdisciplinary Studies, Evergreen State College; MS Environmental and Energy Sciences, Washington State University.

Jan Aarts, Deputy Project Manager. Jan Aarts has been preparing technically sound and legally defensible environmental documents and permit applications for a wide variety of transportation infrastructure projects for over 25 years. Mr. Aarts has prepared a number of environmental guidance documents, including an annotated report template and instruction handbook for authors and reviewers of NEPA Environmental Assessments for the Utah Department of Transportation, as well as the full range of Washington State Environmental Policy Act (SEPA) environmental documents, including Environmental Checklists and Environmental Impact Statements. Mr. Aarts has extensive experience preparing technically sound and legally defensible Federal Energy Regulatory Commission (FERC) license applications and National Environmental Policy Act (NEPA) environmental documents for a wide variety of energy projects in the western United States. Projects have included FERC license applications for several hydroelectric projects, environmental impact statements for natural gas and crude oil pipelines, wind energy projects, transmission lines, and substations. Education: MA Urban Planning, University of Washington; BA Urban Planning, University of Washington.

Ryan Shatt, Geologist. Mr. Shatt has over twelve years of experience as a geologist. His expertise includes Remedial Investigations, Human Health Risk Assessments, and Remedial Action. He conducts and manages environmental field investigations including supervision of subsurface drilling operations, monitoring well installation, lithologic identification, soil classification and interpretation, rock coring, borehole geophysics, and sampling of soil and ground water. He also assesses soil and ground water analytical data to evaluate compliance

with applicable regulations, conducts pump test analysis and groundwater flow evaluations, performs Phase I ESAs, prepares NEPA environmental documents and manages projects. He has experience as contributing author for soil, geology, and water resources sections for numerous EIS and EA reports. Education: BA Geosciences, Penn State University.

Eliza Ghitis, Geomorphologist. Eliza Ghitis has a background in coastal, estuarine and fluvial geomorphology, specializing in the ways physical systems interact with ecology. She has managed numerous salmon habitat restoration projects through all phases of design, permitting, implementation, and post-construction monitoring and maintenance. She has conducted ecological and geomorphic studies, including study design, data collection, data analysis and compilation of reports, and preparation of numerous NEPA environmental documents and NEPA technical supporting documents. She is trained in environmental hazard assessment and mitigation, including slope stability, water quality, and relative sea level rise. Education: MS Environmental Geomorphology, Oxford University; BS Earth and Space Sciences, University of Washington.

Sandra Slayton, Environmental Scientist. Ms. Slayton has nine years of experience in environmental science consulting specializing in watershed planning, GIS, water quality, floodplain management, and environmental policy. Ms. Slayton has experience preparing federal and state environmental documentation for linear and other energy projects. She has been involved in numerous watershed planning projects including work related to water quality analysis, habitat conservation and enhancement, and hydrologic and hydraulics studies. She is a member of the American Water Resources Association. Education: MA, Ecology, University of North Carolina at Chapel Hill; BA, Environmental Science, University of Virginia.

Lucy Zuccotti, Archaeologist. Ms. Zuccotti has over 12 years of technical and professional experience as an Archaeologist and Osteologist. Her background includes directing multiple field investigations in Western Washington and conducting background investigations in preparation for fieldwork. She has extensive experience writing reports summarizing research and field results in compliance with federal and state laws and regulations including NEPA and SEPA. Ms. Zuccotti has worked directly with and for Native American governments to mitigate impacts on tribal areas of interest. She is considered an expert in identification and analysis of human remains. Education: MA Anthropology, University of Arkansas; BA Anthropology, Hampshire College.

Dave Harvey, Historian. Mr. Harvey has over 30 years of experience in historic preservation, cultural resources management, architectural history, and historic research in the Pacific Northwest, California, Alaska, and Montana, and has assisted federal and state agencies, local governments and utilities, and private architectural and engineering firms in carrying out their cultural resources obligations under sections 106 and 110 of the National Historic Preservation Act (NHPA) and NEPA (EA/EIS). Mr. Harvey has worked closely with federal land management agencies, such as the U. S. Forest Service, National Park Service, Bureau of Reclamation, Bureau of Land Management, and U. S. Army Corps of Engineers throughout the Pacific Northwest and Alaska, where he conducted determination of National Register eligibility studies, Historic American Building Survey/Historic American Engineering Record (HABS/HAER) documentations, assessments of agricultural/early settlement landscapes, and historic land use studies. Education: MA History/Historic Preservation, Western Washington University; BA History and Government, Fairleigh Dickinson University.

Kirk Ranzetta, Cultural Resource Specialist. Dr. Ranzetta has over fourteen years of private, public, and non-profit sector work experience in cultural resource management, historic preservation, and environmental permitting including NEPA and state environmental policy laws. He has extensive experience in the Pacific Northwest, Midwest, and Mid-Atlantic regions managing, technically reviewing, and completing cultural resource surveys for compliance with Section 106 of the NHPA and NEPA (EA/EIS). He has also served as a technical editor, drafted text, and conducted fieldwork for cultural resource reports and other NHPA and NEPA related-documents. Prior to working at ENTRIX, Dr. Ranzetta served as the Review and Compliance Coordinator for the Oregon SHPO where he consulted with federal agencies on hundreds of projects, evaluated cultural resource reports for technical sufficiency, assisted agencies in the negotiation and preparation of MOAs, and worked to streamline project reviews. This experience included working closely with cultural resources staff from the Oregon DOT, Oregon Energy Siting Council, USFS, FERC, BPA, USFWS, BIA and BLM in Oregon. These reviews were conducted in compliance with Section 106 of the NHPA, Section 4(f), NEPA, HABS/HAER requirements, ORS 358.653, and OAR Chapter 345. Education: PhD Urban Affairs and Public Policy, University of Delaware; MA Urban Affairs and Public Policy, University of Delaware; BA Historic Preservation, University of Mary Washington.

Chelsea Ayala, Air Quality Specialist. Ms. Ayala has over 17 years of regulatory agency, analytical laboratory, and environmental consulting experience. She has served as project manager, deputy project manager, senior reviewer, technical writer, and technical lead for environmental projects throughout California and the United States. Her areas of expertise include air quality, noise, and climate change for a variety of projects, including oil and gas pipelines, electric transmission lines, and water projects. She has experience preparing environmental documentation for Projects involving NEPA and state environmental policy laws and has managed multiple projects for electric transmission lines and prepared environmental analyses for multiple oil and gas projects. Education: BA Environmental Studies, California State University.

Gretchen Lebednik, Biologist. Ms. Lebednik has managed numerous restoration, monitoring, and permitting projects. Ms. Lebednik has served as principal biologist or principal botanist in the preparation and review of Biological Assessments/Evaluations, FERC documents, NEPA/CEQA documents, California Energy Commission applications, and mitigation plans for projects in a variety of habitats in California and the Pacific Northwest. She has extensive training and field experience in plant ecology and taxonomy on the Pacific Coast and has performed numerous field investigations in freshwater seasonal wetland, vernal pool, riparian, estuarine, alkali meadow, coastal dune, desert, grassland, foothill woodland, and montane communities in California. Ms. Lebednik has served as principal biologist or principal botanist in the preparation and review of Biological Assessments/Evaluations, FERC documents, NEPA/CEQA documents, California Energy Commission applications, and mitigation plans for projects in a variety of habitats in California and the Pacific Northwest. Education: MS Botany, University of Washington, BA Environmental Biology, University of California.

