



# Programmatic Environmental Impact Statement

## High-Voltage Transmission Facilities in Washington

Chapter 8 - List of Preparers

October 2025

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# Programmatic Environmental Impact Statement

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## 8.0 Chapter 8 – List of Preparers

This chapter lists the individuals who contributed to the preparation of this Programmatic Environmental Impact Statement (EIS). It also includes each individual's organization affiliation and a brief description of their professional background.

### 8.1 Washington State Energy Facility Site Evaluation Council

Barker, Adrienne – Administrative Assistant 3

Role: Editor

Expertise: Over 30 years of experience in administrative roles, including office management, state government, and government contracting (website help desk for the Dept of Housing and Urban Development Section 8). Ms. Barker currently supports the Council Chair, Energy Facility Site Evaluation Council (EFSEC), prepares and organizes the Council meetings, and supports all EFSEC staff.

Belkina, Maria – Site Specialist

Role: Environmental Impact Statement Guidance and Review

Education: MS, Ecology and Environmental Management; BS, Ecology and Natural Resources

Expertise: Over 10 years of experience in environmental services, energy facility siting, and sustainability programs, with a strong focus on transmission lines of varying lengths and voltages, including international project experience. Ms. Belkina coordinates applications for site certification of energy facilities under EFSEC jurisdiction, manages permit application reviews, and oversees the permitting process related to energy facility siting.

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### Betts, Patricia – Washington State Environmental Policy Act (SEPA) Specialist

Role: Environmental Impact Statement Guidance and Review

Education: BS, Zoology

Expertise: Over 30 years of experience in SEPA implementation for three Washington State agencies: Department of Ecology (Ecology), Department of Natural Resources, and the EFSEC. Ms. Betts' SEPA duties have included managing state agency SEPA EISs; participating in the development of, reviewing, and commenting on other SEPA and National Environmental Policy Act (NEPA) EISs; interpreting SEPA rules and advising agencies, the public, and applicants; and preparing SEPA guidance, conducting training, and developing SEPA policy.

### Bumpus, Sonia – EFSEC Director

Role: EFSEC Executive Director and SEPA Responsible Official

Education: BS in Biological and Health Sciences

Expertise: Appointed EFSEC Executive Director in June 2022, having previously served as EFSEC Manager from 2019 to 2022. Director Bumpus has dedicated her career to public service with over 15 years in energy facility siting, environmental permitting, and reform, including 12 years at EFSEC. Director Bumpus also serves as the SEPA Responsible Official overseeing the environmental review of multiple energy projects, including preparation of project and non-project environmental impact statements.

### Caputo, Lance – Site Specialist

Role: Environmental Impact Statement Review

Education: MS, Urban & Regional Planning; BS in Environmental Design

Expertise: Approximately 20 years experience in various capacities preparing and reviewing SEPA documents, including serving as Responsible SEPA Official for local government. Mr. Caputo coordinates applications for site certification of energy facilities under EFSEC jurisdiction, manages permit application reviews, and oversees the permitting process related to clean energy facility siting.

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### Greene, Sean – Washington SEPA Specialist

Role: Environmental Impact Statement Guidance and Review

Education: MS, Environmental Studies; BA, History; BA, Political Science

Expertise: Over 10 years of experience in the environmental field, including time spent performing environmental and listed species assessments, technical assistance, environmental planning, permitting, and regulatory compliance. Mr. Greene has coordinated complex interagency project reviews in a variety of regulatory frameworks, including NEPA and Clean Water Act assessments of large transportation and energy facility projects.

### Hafkemeyer, Amí – Director of Siting and Compliance

Role: Contract Manager & Environmental Impact Statement Review

Education: MS, Natural Resources; BS, Ecology and Evolutionary Biology

Expertise: Over 15 years of experience working in environmental compliance, having worked as an environmental quality program manager for industry prior to joining the EFSEC staff. Ms. Hafkemeyer has experience overseeing Clean Water Act and Oil and Petroleum Act compliance programs. In her role with EFSEC, she oversees technical staff in their implementation of SEPA reviews and permit application reviews to process applications for site certification.

### McLean, Lisa - Legislative & Policy Manager & Tribal Liaison

Role: Community Engagement & Tribal Relations

Education: MA, International Relations, BA, Economics

Expertise: Over 30 years of experience designing community engagement strategies in Washington state and abroad. Recent experience in Washington has included encouraging statewide community involvement and Tribal consultations in the decadal redistricting process and organization of a statewide campaign targeted at Tribes and local communities to encourage participation in the 2020 Census.

## 8.2 Local Governments

Jim Anderson-Cook, Grant County Development Services Director – Technical Reviewer

Michelle Mercer, Benton County Planning Manager – Technical Reviewer

## 8.3 State Agencies

### **Office of the Attorney General**

Jonathon Thompson – Assistant Attorney General

Zack Packer – Assistant Attorney General

### **Washington Department of Fish and Wildlife (WDFW)**

Emily Grabowsky, Solar and Wind Biologist (Habitat, Wildlife and Fish) – Technical Reviewer

Julia Michalak, Priority Habitats and Species Section Manager – Technical Reviewer

Michael Ritter, Statewide Technical Lead: Solar and Wind (Habitat, Wildlife and Fish) – Technical Reviewer

Michelle Huppert, Solar and Wind Biologist (Habitat, Fish and Wildlife) – Technical Reviewer

Ryan Lothrop, Columbia River Fishery Manager (Fish) – Technical Reviewer

### **Washington Governor's Office for Regulatory Innovation and Assistance**

Jim Thornton, Environmental Permit Coordinator – Technical Reviewer

### **Washington State Department of Archaeology and Historic Preservation (DAHP)**

Catherine Oberheim, Renewable Energy Project Archaeologist – Technical Reviewer

David Witt, Assistant State Archaeologist – Technical Reviewer

Stephanie Jolivet, Assistant State Archaeologist for Local Government – Technical Reviewer

### **Washington State Department of Commerce (Commerce)**

George Lynch, Transmission Policy Manager – Technical Reviewer

### **Washington State Department of Ecology (Ecology)**

Alexandra Shin, Regional Planner – Technical Reviewer

Andrew Hollenbaugh, Regional Planner – Technical Reviewer

Diane Butorac, Regional Planner – Technical Reviewer

Kelsey Brotherton, Environmental Engineer - Technical Reviewer (Water Quality, Air Quality)

Lori White, Shorelands & Environmental Assistance Manager – Technical Reviewer (Water Quality)

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Mark Daniel, Environmental Justice Senior Policy Advisor – Technical Reviewer  
Noel Tamboer, Technical Services Unit Supervisor – Technical Reviewer (Water Quality)

### **Washington State Department of Natural Resources (DNR)**

Brittany Poirson, Aquatic Policy Analyst – Technical Reviewer  
James Woodward, Clean Energy Program Manager – Technical Reviewer  
Natalie Waid, Policy Advisor – Technical Reviewer  
Scott Nelson, Engineering and Rights of Way – Technical Reviewer

### **Washington State Department of Transportation (WSDOT)**

Greg Gachowsky, Utilities, Railroad and Agreement Manager – Technical Reviewer

### **Washington State Utilities and Trade Commission (UTC)**

Andy Sellards, Energy Policy Advisor – Technical Reviewer (Public Services and Utilities)

## 8.4 Federal Agencies

### **Bonneville Power Administration**

Beth Belanger, Environmental Protection Specialist – Technical Reviewer

### **Department of Defense**

Kimberly Peacher, Northwest Training Range Complex Community Plans and Liaison Officer – Technical Reviewer (Land and Shoreline Use)

## 8.5 WSP

EFSEC was supported by WSP USA Inc. (WSP) in the preparation of the Programmatic EIS. The WSP team included project managers, resource specialists, technical writers, and geographic information system (GIS) analysts.

The list below identifies the individuals and organizations who contributed to the development of the document under WSP.

Contributors identified with a <sup>(D)</sup> participated in the preparation of the Draft Programmatic EIS and were not involved in the finalization of the Final Programmatic EIS.

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### Akkinepally, Vamshi <sup>(D)</sup> – Transportation Engineer

Role: Transportation Technical Reviewer

Education: MENG, Civil and Environmental Engineer

Expertise: Over 20 years' experience in transportation systems analysis, transportation planning, travel demand modeling, traffic engineering, traffic operations, and safety.

### Cadillo, Jimena – Environmental Consultant

Role: Project Controls

Air Quality Technical Author

EIS Contributor

Education: MS, Environmental Engineering; BS, Industrial Engineering

Expertise: Over 10 years' experience in management and coordination of environmental planning and permitting projects related to the infrastructure, energy, and mining sectors. Ms. Cadillo supported U.S. Government sector activities like business development initiatives, strategic client development and financial planning. She is also experienced in project controls functions such as cost controls, scheduling, forecasting, and progress and performance analysis.

### Cook, Amy – Lead Editor

Role: Technical Editor

Education: Ph.D., English Literature, BA, Linguistics

Expertise: A senior technical editor with a 20-year background in technical and academic writing and editing academic book manuscripts, scientific journal articles, and a wide variety of research reports and plans in the environmental sciences. Dr. Cook has experience developing reports associated with environmental permitting for a variety of energy projects, as well as hazardous waste site investigations, remedial action planning documents, and emergency management and response operations for both private-sector and government clients.

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### Cox, Jason <sup>(D)</sup> – Vice President – Earth and Environment PNW

Role: Earth Resources Technical Reviewer

Education: MS, Geotechnical Engineering; BS, Civil Engineering

Expertise: Over 11 years of experience in various geotechnical engineering projects. Mr. Cox has served as the geotechnical task lead, project manager, and engineer of record for several power, energy, infrastructure, and transportation projects in Washington and California. His technical experience involves deep and shallow bridge foundations, retaining structures, earthen embankments and cut slopes stability, landslide assessment and mitigation, pipelines, infiltration design, and earthquake engineering for permanent installations.

### Dragan, Massimo <sup>(D)</sup> – Environmental Intelligence Global Offering Lead

Role: GoldSET Technical Director

Education: Degree in Natural Sciences; Ph.D. in Environmental Modeling

Expertise: Mr. Dragan leads the Digital Innovation business unit at WSP Italy and provides cross-sector support on digital solutions and decision analysis. Mr. Dragan is the WSP Technical Director of GoldSET, WSP's siting, routing and multi-criteria decision support analysis suite of tools.

### Duppel, Kyralai – Environmental Planner

Role: EIS Contributor

Education: BS, Society and Environment

Expertise: Almost five years of experience in environmental planning and consulting. Ms. Duppel has experience in preparing NEPA, SEPA, and CEQA analyses for renewable energy, natural resources, and infrastructure projects.

### Ferneti, Michele <sup>(D)</sup> – Digital Innovation Senior GIS Analyst

Role: GoldSET Lead Developer

Education: Degree in Natural Sciences; Ph.D. in Environmental Modeling

Expertise: Mr. Ferneti is a senior data scientist, GIS analyst and information management specialist. Mr. Ferneti is the lead developer of GoldSET Spatial and oversees GIS automation and programming for the Digital innovation business unit.

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### Flaherty, Alana – Lead Consultant, Environmental Planning

Role: Deputy Project Manager  
Cumulative Impacts Technical Author  
Public Services and Utilities Technical Author  
Land and Shoreline Use Technical Author  
Contributing Author: Overview of Transmission Facilities, Affected Environment, and Socioeconomics and Environmental Justice  
Education: BA, Environmental Business  
Expertise: Over seven years of experience in preparing complex NEPA and CEQA analyses and environmental clearance documents related to transportation, infrastructure, energy, and land development projects. Ms. Flaherty's project management roles have involved coordinating efforts across multiple teams and firms, maintaining project schedules, and monitoring monthly progress.

### George, Gracey – Early Career Biologist

Role: EIS Contributor  
Education: BS, Biology  
Expertise: Almost five years of experience in laboratory operations, specializing in analytical report writing. Ms. George is experienced in biological monitoring, environmental data analysis, and comprehensive ecological assessment.

### Harmening, Sierra – Assistant Vice President, Environmental Planning and Permitting

Role: Project Manager  
SEPA Compliance and Consistency Reviewer  
Transportation Technical Author  
Contributing Author: Affected Environment, Earth Resources, Air Quality, Water Quality, Energy and Natural Resources, Public Health and Safety, Visual Quality, Noise and Vibration, Recreation, and Historic and Cultural Resources  
Education: MS, Environmental Law and Policy; BASc, Management in Technology  
Expertise: Over 15 years of lands permitting, environmental consulting, energy consulting, and mine site management experience. Ms. Harmening's experience includes management and preparation of documents for permit renewals, closure planning, closure cost estimation, NEPA analysis, SEPA analysis, and compliance monitoring plans.

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### Hindley, Gabrielle – Biologist

Role: Vegetation Technical Author

Education: MSc Ecological Restoration; BS, Biology

Expertise: Over five years of project experience in planning and executing field programs, terrestrial ecosystem mapping, research, ecological restoration, and vegetation monitoring. Ms. Hindley also has experience conducting wildlife surveys, environmental monitoring, and designing mitigation.

### Hull, Alan <sup>(D)</sup> – Senior Vice President, Earth and Environment

Role: Earth Resources Technical Reviewer

Education: Ph.D., Geological Sciences; MSc, Geology; BSc, Geology

Expertise: Over 40 years of project experience focusing on earthquake hazard assessment and incorporating seismically active faults into engineering analysis and design.

### Hyggen, Thompson – Associate Biologist

Role: Habitat, Wildlife, and Fish Contributing Author

Education: BCS Biology (Hons); Biologist in Training (BIT)

Expertise: Almost five years of experience contributing to biodiversity research and report, with skills in bird and insect management and data collection. Mr. Hyggen has contributed to environmental assessment, species management plans, mitigation strategies, and wildlife population studies.

### Kristen, Mary – Geospatial Analyst

Role: GIS Specialist

Multi-Criteria Decision Analysis (MCDA) Lead

Education: MA, Geomatics for Environmental Management; BA, Geography

Expertise: Over six years of experience focusing on siting and routing, hazard assessment, and multi-criteria decision analytics. Ms. Kristen served as a senior GIS lead for environmental assessments, asset management and hazard monitoring programs, and data collection efforts.

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### Lovegrove, Alice <sup>(D)</sup> – Director, Sustainable Infrastructure

Role: Air Quality Technical Reviewer

Education: MS, Environmental and Waste Management; BE, Engineering Science

Expertise: Over 35 years of experience in environmental engineering, emphasizing global climate change, energy analysis, and mobile source air quality modeling for both operational and construction phases of a project. Ms. Lovegrove conducts environmental analyses and resolves conformity issues for bridges, rail (light, heavy and high speed), and highways across the United States.

### McCarthy, Patrick <sup>(D)</sup> – Geospatial Analyst

Role: GIS Specialist

Education: BSc, Environmental Science and Remote Sensing Technologies

Expertise: Geographic Information Systems Professional (GISP) with 25 years' experience in GIS analysis, remote sensing, modeling, civil design, and project management.

### McCaughan, Misha – Intermediate Biologist

Role: Wildlife and Wildlife Habitat Contributing Author

Education: MSc, Animal Biology and Toxicology; BSc, Animal Biology

Expertise: Almost five years of experience in wildlife surveys, data analysis, and reporting.

### Mcdonald, Camilla – Lead Consultant, History

Role: Historic and Cultural Resources Technical Author

Education: MA, Anthropology; BA, Anthropology and History

Expertise: A Registered Professional Archaeologist with 13 years' experience conducting fieldwork and work in compliance with Section 106 of the National Historic Preservation Act across the United States. She has contributed to the National Register of Historic Places evaluation of a variety of precontact and historic archaeological sites. In the field, she has led field crews and is experienced in archaeological surveys, excavation, and monitoring.

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### McQuarrie, Maximus - Early Career Environmental Planner

Role: EIS Contributor

Education: BA, Environmental Science and Policy

Expertise: As an early-career environmental planner, Mr. McQuarrie has nearly a year of experience conducting environmental research, analysis, and documentation for a variety of transportation and infrastructure projects.

### McVey, Brennah – Geospatial Analyst

Role: GIS Specialist

Education: MS, Earth Sciences; BS, Geophysical Engineering

Expertise: Five years of experience in GIS analysis. Ms. McVey is a certified Geographic Information Systems Professional (GISP).

### Miller, Gage <sup>(D)</sup> – Senior Environmental Scientist

Role: Noise and Vibration Contributing Author

Education: BS, Environmental Science

Expertise: Over 20 years of noise-related experience, including noise modeling, sound propagation calculations, sound level field measurement, assessments, impact analysis, mitigation analysis, and providing expert testimony. Mr. Miller has experience in performing noise impact assessments in support of permitting activities at the state level and environmental impact assessments in support of large domestic and international projects.

### Moss, Kate – Principal Biologist

Role: Natural Environment, Lead  
Habitat, Wildlife, and Fish Technical Reviewer  
Water Resources Contributing Author  
Vegetation Technical Reviewer

Education: BSs, Biology; Registered Professional Biologist (RPBio)

Expertise: Over 20 years of experience designing, managing, and conducting bio-inventories, biodiversity studies, invasive species studies, wildlife salvages, species at risk surveys, impact assessments, and habitat compensation/ mitigation design. Ms. Moss has been involved in conducting baseline surveys for amphibians, birds, terrestrial gastropods and mammals, annual population monitoring, and relative

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abundance analysis, as well as impact analysis and designing project mitigation and resource management.

### Nazar Nia, Naghmeh <sup>(D)</sup> – Environmental Planner

Role: Socioeconomics Contributing Author

Education: MSc, Geography, Urban, and Environmental Studies; BA, Architecture

Expertise: Over ten years of experience in designing and implementing urban and environmental planning and assessment projects. Ms. Nazar Nia is skilled in socioeconomic and land use research, data collection, impact analysis, and management planning for large and small projects in mining, oil and gas, power, and sustainable energy projects.

### Oki, Koya – Environmental Planner

Role: Transportation Contributing Author  
GIS Specialist

Education: BA, Sustainable Environmental Design

Expertise: Almost five years of transportation planning experience. Mr. Oki has experience in conducting comprehensive transportation studies, analyzing rural transportation systems, and designing improvements to transportation networks at local and regional scales. Mr. Oki has assisted in project development and grant applications, ensuring regulatory compliance and community alignment.

### Paris, Jeremy – Vice President, Environmental Planner

Role: Project Director  
SEPA Compliance and Consistency Reviewer  
Socioeconomic Technical Reviewer  
Land and Shoreline Use Technical Reviewer  
Energy and Natural Resources Contributing Author

Education: MS, Biological Sciences; BS, Biological Sciences

Expertise: Over 20 years of professional consulting experience leading projects in support of the energy, maritime, transportation, and government sectors. Mr. Paris has prepared high-level NEPA documents, Endangered Species Act biological assessments, International Finance Corporation Performance Standards Compliant environmental and social impact assessments, CEQA compliant documents, and master plans for water quality improvement programs.

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### Porto, Louise – Biologist

Role: Habitat, Wildlife and Fish Contributing Author

Education: MSc, Zoology; BSc, Zoology; Registered Professional Biologist (RPBio)

Expertise: Over 30 years of experience in the field of fisheries biology, specializing in anthropogenic impacts on freshwater fish and fish habitat for energy sector projects. Her experience includes regulatory compliance and permitting, impact mitigation and offsetting for fish and fish habitat.

### Povalyaev, Ilya – Biologist

Role: Habitat, Wildlife and Fish Contributing Author

Education: BSc, Biology; Registered Professional Biologist (RPBio)

Expertise: 15 years of experience that includes conducting environmental assessments for major projects across multiple sectors, oversight of wildlife mitigation and monitoring programs, coordinating and leading wildlife surveys, data analyses and interpretation, and technical report preparation. Much of Mr. Povalyaev's work is related to characterizing potential project interactions with wildlife, identifying mitigation strategies to reduce potential adverse effects, and developing monitoring programs to evaluate mitigation efficacy within an adaptive management framework. Mr. Povalyaev possesses in-depth technical knowledge of bird ecology.

### Rayos, Krystle – Environmental Planner

Role: Land Use Contributing Author  
Cumulative Impacts Contributing Author

Education: BS, Geology

Expertise: Almost five years of experience in environmental planning. Ms. Rayos has experience in preparing NEPA and CEQA analyses for a variety of projects.

### Romansky, Alexander – Geospatial Analyst

Role: GIS Specialist

Education: MA, Applied Geography and Geospatial Science, BA Geology

Expertise: Five years of experience in GIS analysis.

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### Romero, Patrick – Senior Consultant

**Role:** Noise and Vibration Technical Author  
**Education:** MS, Environmental Policy & Management; BS, Environmental Science  
**Expertise:** Over 20 years of experience leading and supporting noise and vibration analyses related to infrastructure projects.

### Ruslanbek Uulu, Bakai <sup>(D)</sup> – Senior Economic Consultant

**Role:** Socioeconomics Technical Reviewer  
**Education:** MA in International Economics and Finance; BS in Economics  
**Expertise:** Over eight years of experience in economic impact and benefit-cost analyses of infrastructure and energy projects. Mr. Ruslanbek Uulu has significant experience in estimating jobs and fiscal impacts of construction activities, cross-border trade, and operational improvements in California, Texas, New York, Washington, etc.

### Smedley, Roselyn – Biologist

**Role:** Habitat, Wildlife, and Fish Contributing Author  
Water Resources Contributing Author  
**Education:** MSc, Freshwater Ecology; BSs, Aquatic Biology  
**Expertise:** Over 10 years experience in a variety of disciplines—including hydrology, water quality, and engineering—on projects related to various industrial sectors, such as mining; oil and gas; linear developments (highways, pipelines, and transmission lines); and construction.

### Smith, Michael – Senior Vice President, Environmental Process, Policy, and Assessment

**Role:** Technical Reviewer  
**Education:** Ph.D., Environmental and Natural Resources Sociology; MA, Geography and Resource Management; BA, Environmental Studies  
**Expertise:** Over 30 years experience in environmental impact assessment, project and program management, policy development, land use planning, business development, group leader, and training/education with the federal government, state governments, private sector, academia, and non-governmental organizations. Dr. Smith's technical areas of expertise include helping clients successfully navigate complex permitting situations; cumulative impact analysis; greenhouse gas emissions and climate change analysis; socioeconomics and

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environmental justice analysis; and designing strategies for streamlining federal and state permitting processes.

**Starr, Bob <sup>(D)</sup> – Assistant Vice President, Environmental Engineer**

**Role:** Water Resources Technical Reviewer

**Education:** Ph.D., Earth Sciences; MS, Earth Sciences; BCE, Civil Engineering

**Expertise:** Over 45 years of environmental science and engineering experience.

Dr. Starr's primary expertise is in hydrogeology, particularly characterizing and remediating sites with contaminants in groundwater, soil, and the vadose zone.

**Steele, Jesse <sup>(D)</sup> – Assistant Vice President, Environmental Health and Safety**

**Role:** Health and Safety Technical Reviewer

**Education:** MSc, Physical Geography; BS, Geography

**Expertise:** Over 20 years of environmental, health and safety experience working in mining, manufacturing, chemical, energy, oil and gas, and maritime industries. Mr. Steele specializes in health and safety compliance, integrated management systems, auditing, certification, and assurance. He has worked to support a variety of strategic environmental projects and sustainability planning and helped clients meet a wide range of federal, state, and local regulatory requirements.

**Stein, David <sup>(D)</sup> – Vice President, Environmental Planning and Permitting**

**Role:** Air Quality Technical Reviewer

**Education:** MS, Environmental Engineering; BS, Environmental Engineering; BS, Biological Sciences

**Expertise:** Over 40 years of environmental management and permitting experience working with major gas and electric utilities, independent power plant developers (both renewable and fossil), major oil and petrochemical conglomerates, refiners, chemical plants, mining facilities, and various other industries. Mr. Stein is an air quality specialist with experience providing regulatory and rulemaking strategy and advocacy for air quality districts, technical support, permit procurement and compliance support, and expert witness testimony.

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### Stevens, Kathryn – Project Coordinator

Role: Project Controls

Education: BA, Communications

Expertise: Over 20 years of administrative and environmental experience on large-scale projects and reports. Mrs. Stevens completes quality control, comment response review and tracking, outreach coordination, administrative records, and research.

### Stropkay, James Kyle <sup>(D)</sup> – Economic Consultant

Role: Socioeconomics Support

Education: MPA in Energy and Environment; B.A. in Economics

Expertise: Experience in economic and environmental impact analysis of infrastructure projects. Kyle has several years of experience in evaluating socioeconomic impacts of international development projects, including renewable energy technologies in emerging markets.

### Symmes, Melissa – Environmental Planning

Role: EIS Contributor

Education: BA, Environmental Studies and MPP, Environmental Policy

Expertise: Almost five years of experience conducting NEPA environmental analyses for a variety of project types, including transportation, infrastructure, and recreation. Additionally, prior to WSP, she analyzed statutes and management plans for policy development across the Pacific Northwest.

### Thiede, Peter <sup>(D)</sup> – GIS Analyst

Role: Visual Resources Contributing Author

Education: Dipl.-Ing. (MS equivalent), Environmental Planning

Expertise: Over 15 years of experience in visual modeling and application of GIS analysis to visual resources and visual resource assessment.

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### Umlauf, Kate – Architectural Historian

Role: Historic and Cultural Resources Contributing Author

Education: MA, Heritage Management; BA, Anthropology

Expertise: Over five years of experience conducting architectural surveys, integrity research, National Register of Historic Places evaluations and nominations, and historical research and context development in fulfillment of Section 106 and 110 of the National Historic Preservation Act and NEPA.

### Williams, Peter <sup>(D)</sup> – Senior Visual and Land Use Assessment Specialist

Role: Visual Resources Technical Author

Education: MA, Landscape Architecture

Expertise: Over 12 years' experience conducting visual impact assessment and scenic resource management. Mr. Williams was the lead of the British Columbia (BC) Government's Visual Resource Management Program and has extensive experience performing landscape and visual impact assessments for major projects. His expert knowledge of assessment frameworks includes the BC visual resource management system, as well as the U.S. Bureau of Land Management protocols.

### Zanaid, Noor - Early Career Environmental Planner

Role: EIS Contributor

Education: MSc, Environment and Sustainable Development  
BS, Environmental Systems Earth Science

Expertise: As an early-career environmental planner, Ms. Zanaid has experience conducting environmental research, analysis, and documentation for a variety of renewable energy and water infrastructure projects.

## 8.6 Plateau CRM

### Fulgham, Samantha <sup>(D)</sup> – Project Archaeologist/Precision Services Director

Role: Cultural and Historic Resources Technical Author

Education: MA, Anthropology

Expertise: Has conducted archaeological field investigations throughout Washington, Idaho, and Oregon. Ms. Fulgham has completed and initiated a variety of projects, including survey and testing,

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monitoring, and excavation work for a variety of clients. As Precision Services Director, she has specialized in excavation projects, forest service projects, human remains recovery, and large-scale projects. She has a background in excavation, survey, Tribal and agency consultation, curation preparation, and laboratory analysis of archaeological collections.

### Harder, David <sup>(D)</sup> – Principal Investigator

Role: Cultural and Historic Resources Technical Reviewer

Education: MA, Anthropology

Expertise: Over 30 years' experience as a professional archaeologist. Mr. Harder is trained in many aspects of archaeological method, theory, and research, including the National Historic Preservation Act Section 106 process, NEPA and historic properties, lithic analysis, faunal identification, and geo-archaeological method and theory.