



# STATEMENT OF QUALIFICATIONS



**2025**

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## COMPANY PROFILE

**Panorama Environmental, Inc. (Panorama) specializes in helping agencies and companies resolve complex environmental issues from a strategic business perspective. For over 40 years, Panorama’s highly qualified professionals have collaborated closely with our clients to create solutions that are as economically savvy as they are environmentally sound.**

### About Panorama

Panorama Environmental, Inc. (Panorama) is a boutique environmental consulting firm with staff located in the Western United States including Nevada, California, Oregon, and Idaho that specialize in National Environmental Policy Act (NEPA). Panorama is a women-owned small business that has been in business for nearly 40 years. Throughout our history, our focus has been on NEPA documentation, including managing all the multidisciplinary regulatory processes/permitting that navigate the associated physical, biological, social, and cultural components including all required public outreach.

Panorama currently has 50 employees including NEPA Project Managers, environmental planners, Geographic Information System (GIS) specialists, biologists, botanists, archaeologists, air quality and noise specialists, geologists/paleontologists, visual resource specialists, wildfire specialists, technical editors, and administrative support staff. We have significant experience managing large teams of technical specialists to study and assess environmental impacts throughout the west and internationally. As a small firm, our approach to accomplishing large contracts and projects is to team with leading technical experts who understand the local environment and community issues relevant to each effort.

### CERTIFICATIONS

California Department of General Services – Small Business (SB)

San Francisco Municipal Transportation Agency – Disadvantaged Business Enterprise (DBE)

CPUC Supplier Clearinghouse – Women-owned Business Enterprise (WBE)

City and County of San Francisco – Local Business Enterprise (LBE)

Federal Small Business Administration – Disadvantaged Women-owned Small Business (DWOSB)

Panorama's project experience presented on page 9, includes the preparation of complex Environmental Impact Statements (EISs) and Environmental Assessment for mining and large-scale infrastructure projects throughout Nevada, California, and Idaho.

### Premier Organization

The Panorama team has fostered enduring relationships focused on meeting and exceeding the needs of each individual client. Our staff understands the financial and business impacts of environmental compliance. We continually strive to provide value to our clients by early identification of issues and providing timely, cost-effective compliance solutions. Panorama's unique approach to environmental consulting involves several key aspects:

- **Strategic planning for project definition and permitting.** Early and thorough definition of a project reduces costs and schedules. At Panorama, we think strategically and plan ahead, identifying both what needs to be accomplished over time and the potential impacts of planning decisions.
- **Integration of NEPA, CEQA, and environmental permitting.** Panorama encourages clients to integrate the NEPA, CEQA, and permitting processes. Panorama looks ahead to the permitting requirements of a project to ensure that issues are addressed early in the environmental review. This approach avoids surprises and delays in the permitting process.
- **Tailored teams of local resource experts.** Panorama has an extensive network of specialists throughout the United States. We tailor each project team to meet the geographic and resource-specific needs of the project.
- **Early and frequent agency and public outreach.** Consultation with involved agencies and the public is crucial on projects of public interest. Panorama seeks input and addresses issues early to reduce costs and shorten schedules.
- **Flexible and responsive project managers and team members.** We understand our role as service providers. We respond promptly to client and agency requests. We are here to help our clients reach their goals in a cost-effective and timely manner.
- **Creative problem solving.** Panorama team members know how to solve problems. We do not stop at obstacles, but develop innovative approaches to meet goals, schedules, and budgets.

Panorama's success has been based on a creative and team approach to consulting that is inclusive of agency staff, applicants, and consultants.



**Experience has proven that early attention to environmental issues reduces costs and advances permitting schedules. Our services facilitate sound resource development for project proponents, government agencies, and public interest groups. The services we provide are listed below.**

### **Critical Issues Analysis and Environmental Feasibility Studies**

Environmental and permitting feasibility studies are increasingly critical in project planning. Panorama identifies constraints (including "fatal flaws") and major cost items in permitting proposed development projects. Critical issues analysis include desktop evaluation of constraints and coordination with local agencies. Feasibility studies have included reconnaissance-level resource surveys, agency consultations, detailed cost estimates, and permitting schedules and strategies.

### **Notices**

Panorama assists clients in in preparing notice-level documents for mining actions that inform land management agencies of the operator’s intent to conduct exploration activities on less than 5 acres of disturbance. Our team develops comprehensive, compliant notices that clearly define project activities, methods, and timelines while integrating best management practices to minimize environmental impacts and streamline agency review.

### **Plans of Operation**

For mining exploration activities that exceed the 5-acre disturbance threshold, Panorama collaborates with project proponents to develop a comprehensive Plan of Operations that outlines the full scope of proposed work—including site development, waste management, reclamation, and mitigation measures. Recognizing that a Plan of Operations often initiates NEPA review and multi-agency coordination, Panorama provides expert guidance to streamline this process. Our team helps clients compile detailed technical information, assess environmental considerations, and prepare clear, compliant Plans that support efficient regulatory review and timely project advancement. Panorama also supports coordination with BLM staff during plan review.

## Project Siting Studies

Preliminary studies are conducted for screening large areas for facility siting. Panorama performs preliminary and/or detailed site assessments, which identify constraints and alternative site rankings (qualitative and quantitative).

## Project Design Review

Panorama works with project proponents and regulatory review agencies to ensure that environmental requirements and constraints are addressed in the early stages of engineering design and economic analysis. We assist clients in preparing project descriptions and environmental components of operation for submittal to regulatory agencies. This work avoids costly re-design and reduces mitigation costs.

## Project Definition and Engineering Support

Panorama routinely assists project proponents early in the engineering phase to fully define projects using our project definition checklist. Panorama team members have worked closely with engineers to enhance projects and define feasible alternatives. Early and thorough project definition streamlines the CEQA, NEPA, and permitting review processes and avoids delays during construction. Our team includes experts in energy infrastructure in the west.

## Geographical Information Systems (GIS)

Panorama provides GIS services throughout the continuum of environmental analysis and project development. Typical services include:

- Developing and maintaining project-specific geospatial databases
- Developing mailing lists from assessor parcel data
- Preparing facility layout maps for project features, pipeline, transmission line, and access road easements
- Conducting viewshed analyses
- Analyzing data and preparing graphics to facilitate stakeholder outreach and public meetings and hearings, feasibility studies, parcel priority rankings, route selection, resource management, environmental review and permitting, and tracking environmental compliance during construction

## NEPA/CEQA Compliance

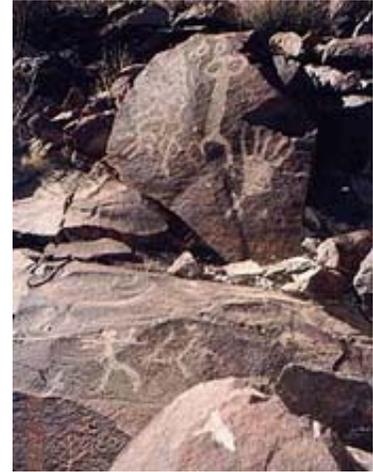
Panorama prepares environmental documents under NEPA and CEQA including:

NEPA	CEQA
<ul style="list-style-type: none"><li>• Categorical Exclusions</li><li>• Environmental Assessments (EAs)</li><li>• Findings of No Significant Impact (FONSI)s</li><li>• Environmental Impact Statements (EISs)</li></ul>	<ul style="list-style-type: none"><li>• Categorical Exemptions</li><li>• Initial Studies (ISs)</li><li>• Mitigated Negative Declarations (MNDs)</li><li>• Environmental Impact Reports (EIRs)</li></ul>

Panorama is especially adept at preparing joint federal/state environmental documents with multiple-agency jurisdictions.

Panorama provides clients with services that include:

- Assisting agencies in determining the appropriate type of environmental documentation required under NEPA (e.g., Categorical Exclusion v. EA)
- Preparing notices and plans of operation
- Identifying lead and cooperating agencies
- Defining significance thresholds
- Identifying appropriate tasks and schedules for NEPA compliance
- Preparing and distributing agency notices
- Conducting baseline resource studies
- Conducting public hearings and leading public engagement programs
- Performing all aspects of document production including graphics, printing, and distribution



### Resource Surveys and Monitoring

Panorama designs and performs surveys for baseline data collection, monitoring, and fulfillment of mitigation requirements. We conduct surveys and studies for:

- Vegetation, fish, invertebrates, and wildlife
- Threatened, rare, endangered, and special-status species
- Surface water evaluation and monitoring
- Groundwater resource evaluation and monitoring
- Hydrologic evaluation and monitoring
- Cultural resources (archaeological, historical, and ethnographic)
- Paleontological resources
- Wetland and waters delineations
- Air quality monitoring and modeling
- Ambient noise
- Aesthetics, visual evaluations, and simulations
- Transportation and traffic
- Land use, growth impacts, and socioeconomics
- Geology and soils

Data collection is conducted using state-of-the-art methods following existing or negotiated protocols. GIS tools are used for data analysis and manipulation for graphical display of results.

## Data Collection and Research



Panorama provides specialized technical expertise in a wide variety of fields including air quality, archaeology, biogeochemistry, biology, botany, ecology, entomology, ethnography, forestry, geology, groundwater, herpetology, hydrology, ichthyology, mammalogy, noise, ornithology, population biology, transportation, visual resources, and water quality. We tailor our research team to match the geographic, resource, and project issues, and draw upon our wide network of technical specialists located

throughout the west. Panorama has built an extensive network of highly qualified experts over the last 30 years.

Panorama offers a wide array of services for short- and long-term scientific research to address practical questions in resource management. Such research services include cost-effective study design, field data collection and data management, mathematical modeling, statistical analysis, technical writing and editing, and presentation and interpretation of results to a diverse audience. Our project managers are particularly skilled in explaining complex scientific issues to decision-makers on boards and commissions.

## Wetland Delineation and Habitat Mitigation

Panorama provides wetland delineation services to identify waters of the State and waters of the United States in compliance with Section 404 of the federal Clean Water Act. Panorama consults with the U.S. Army Corps of Engineers (ACOE), the California Department of Fish and Wildlife (CDFW), and the U.S. Fish & Wildlife Service (USFWS) to verify wetland delineations and obtain permits for effects to wetlands. Panorama develops habitat mitigation and



monitoring plans and 404(b)(1) alternatives analyses. We also prepare, implement, and monitor habitat restoration and mitigation plans for arid lands, and for wetland, riparian, and upland habitats.

## Endangered, Threatened, Rare, and Special-Status Species

Panorama designs and implements survey protocols for threatened, rare, endangered, and special-status species as part of almost every project. Our experience includes writing and implementing habitat and species management plans, as well as federal 10(a) permit applications, Habitat Conservation Plans, and

Incidental Take Permits. Panorama assists clients in obtaining state and federal endangered species permits and conducting consultations with CDFW and USFWS (2090, 2081, Section 7, and Section 10a) through preparing Biological Assessments and Biological Evaluations.

Our team provides assistance for state and federal biological opinions, mitigation banking, and training on Habitat Conservation Plans and protocols.

## Environmental Permits

Panorama performs permit feasibility analyses, collects data, prepares permit applications, and assists with obtaining coverage for a wide range of state and federal permits including air, water, waste discharge, and stream and lake alteration.

The permits we obtain include, but are not limited to, the following:

- Land Use
  - Conditional Use Permits
  - Special Use Permits
- Biology
  - Incidental Take Permits
  - Biological Opinions
  - Consistency Determination
  - Orders of Waste Discharge
  - National Pollutant Discharge Elimination System (NPDES) permits
  - Clean Water Act Section 401 Water Quality Certification
  - Clean Water Act Section 404 discharge permits (individual and nationwide)
  - Joint Aquatic Resources Permit Applications (JARPAs)
  - Construction Stormwater Discharge Permits (i.e., Stormwater Pollution Prevention Plans [SWPPPs])
  - Streambed Alteration Agreements (California Fish and Game Code Sections 1601 and 1603)
- Air
  - Clean Air Act Prevention of Significant Deterioration (PSD) permits for major new air emission sources
  - Authority to Construct
  - Permit to Operate
- Caltrans/NDOT
  - Encroachment

## Environmental Impact Mitigation Plans



Panorama provides practical, creative solutions for mitigating impacts for a full range of environmental parameters (as a separate service or as part of the environmental analysis process). Mitigation plans include game and non-game species mitigation, revegetation, noise attenuation, cultural resources evaluation and data recovery programs, and fisheries habitat protection and enhancement. The plans are designed to provide clear and cost-effective mitigation and compliance measures to reduce or avoid adverse effects.

## Environmental Compliance Monitoring

Effective environmental compliance begins with well-written mitigation measures and permit conditions. Panorama assesses the effectiveness of and compliance with construction and post-construction permit requirements. Our services include construction monitoring, audits, and verification of compliance with mitigation measures and permit conditions.

Panorama teaches corporate and agency staff procedures for implementation of environmental regulations, including permit and environmental reporting requirements. Panorama also trains construction and field personnel on field procedures and safety using video presentations, brochures, tailgate lectures, and on-site training.

## Habitat Restoration

Panorama provides habitat restoration and vegetation enhancement plans that increase the ecological functions and value of the habitat on a project site to meet regulatory agency requirements. Panorama understands what habitat components are important for restoration, based on years of field experience and decades of working with regulatory agencies. Panorama has experience with a wide variety of habitat enhancement techniques, and uses state-of-the-art management tools and monitoring methods. Our successful restoration and mitigation projects result from a collaboration of hydrologists, engineers, landscape architects, agency staff, and the public. We have worked on projects on federal, state, and land owned by local jurisdictions, such as cities, irrigation and water districts. We have also worked to restore and enhance wildlife habitat in suburban and urban landscapes for a wide variety of clients, including private landowners.

## PROJECT EXPERIENCE



**Panorama has managed and prepared NEPA environmental documents, regulatory permit applications, natural resource surveys, mitigation programs, and federal and state environmental compliance programs for a variety of industries and agencies. Our projects range from complete environmental services for large-scale, complex industrial projects (including preparation of baseline surveys, multi-agency EISs, and permit applications) to simple, small-scale biological surveys.**



### **Nevada, BLM, Exploration and Mining Experience**

The Panorama team has extensive experience with the ecological, physical, and social environment across Nevada and a proven track record of guiding complex projects through the NEPA process on BLM-administered lands. While Panorama is best known for trailblazing NEPA for utility-scale solar development and leading large solar projects through EISs for variance land under the 2012 Western Solar Plan and subsequently supporting numerous large-scale solar projects across the Southern Nevada, Ely, Battle Mountain, and Winnemucca Districts—our portfolio extends to geothermal and exploration and mining projects. We have built close working relationships with the BLM Nevada State Office and Branch Chiefs and we have worked with most BLM district offices across the state.

Our track record across solar, geothermal, wind, and exploration and mining projects—including current lithium exploration programs—positions us to provide the technical expertise, regulatory insight, and agency coordination necessary to advance Nevada’s next generation of lithium and mining development.

**Nevada:** Our mining experience is growing rapidly and directly supports the needs of Nevada’s lithium sector. We have assisted lithium developers in project development and definition to minimize environmental impacts, with completing environmental studies, and with permitting

and environmental review for direct lithium extraction test phase and operation phase projects. We are preparing an EA for a lithium exploration project in Dixie Valley (Carson City District) and a Notice extension for a project in Fish Lake Valley. Our experience illustrates Panorama's deep understanding of BLM NEPA processes and procedures across Nevada, backed by strong relationships with BLM staff statewide.

**California:** Since 2017, we have assisted multiple developers in the Imperial Valley, California, with lithium and geothermal extraction projects, including project definition, technical and environmental studies, permitting, and NEPA/CEQA compliance. We recently prepared an Exploration Plan of Operations for a lithium program on 250 claims near the Salton Sea.

**Idaho:** Panorama is leading NEPA compliance for mining projects in Idaho, including road decommissioning, Plan of Operations preparation, permitting, and innovative remediation planning for rare earth minerals.

Panorama has a diverse, multidisciplinary team including staff based in Northern Nevada with professional experience preparing BLM exploration and mining permitting and NEPA documents. Our staff have developed numerous Exploration Plan of Operations, Technical Studies, EA's and EISs that were prepared for exploration and mining that have included managing the preparation of mineral exploration Notices for the BLM, execution of bond payment, development of Nevada Division of Minerals Dissolved Mineral Resource Exploration Well/borehole applications, and county road maintenance agreements.

The following table summarizes some of Panorama's corporate experience demonstrating our understanding of Nevada BLM processes, procedures, and of our extensive relationships across Nevada.

## Summary of Panorama's BLM Experience, Focused on Nevada

Project	BLM District/Field Office	Project summary	Key accomplishments
Geothermal Plan of Utilization and Power Plants EAs	Carson City/Stillwater	Development of two 60-MW power plants and a new 120 kV transmission line through the Femley Wildlife Management Area, as well as a 20 MW solar field.	<ul style="list-style-type: none"> <li>• Led the preparation of technical studies, including biological and cultural resource studies, as well as hydrologic studies to address geothermal utilization impacts to hot springs.</li> <li>• Prepared two EAs, one for each power plant.</li> </ul>
Geothermal EA	Carson City/Stillwater	Development of an 11 well pad exploration program at the Naval Air Station Fallon, Nevada.	<ul style="list-style-type: none"> <li>• Prepared Plan of Operations and a Plan of Utilization for a 40 MW geothermal power plant and transmission line.</li> <li>• Led the preparation of the EA for this project.</li> </ul>
Lithium Exploration Project EA	Carson City/Stillwater	Lithium in Brine Exploration Plan of Operations for a project in the Dixie Valley, Nevada.	<ul style="list-style-type: none"> <li>• Panorama is preparing the EA for this project under subcontract, which includes several wells and access roads to explore the lithium resource.</li> <li>• Panorama's staff, Nicci Beedle prepared the Notices, Reclamation Cost Estimate, and permit coordination for earlier phases of this project.</li> </ul>
Solar Project Technical Studies/ EIS/ Environmental Compliance Management	Southern Nevada/Las Vegas	Development of a 690 MW solar plus battery energy storage system (BESS) project approximately 35 miles east of Las Vegas.	<ul style="list-style-type: none"> <li>• Led the preparation of 26 baseline studies and prepared the EIS for the project, addressing controversial issues and meeting all project timelines.</li> <li>• Providing continued support to the current developer, with environmental compliance during project construction.</li> </ul>
Solar Project EIS	Southern Nevada/Pahrump	Development of a 400 MW PV and BESS project outside of Pahrump, NV.	<ul style="list-style-type: none"> <li>• Led development of baseline studies to support the EIS and development of the EIS as the third-party contractor to the BLM.</li> <li>• Provided analysis of cumulative impacts accounting for the complex of seven solar projects proposed in this area.</li> </ul>
Solar Project EIS	Southern Nevada/Pahrump	Development of a 700 MW PV and BESS project near Pahrump, NV.	<ul style="list-style-type: none"> <li>• Led development of baseline studies to support the EIS and the EIS as the third-party contractor to the BLM.</li> </ul>

Project	BLM District/Field Office	Project summary	Key accomplishments
Solar Project EIS	Southern Nevada/Pahrump	Development of a 400 MW PV and BESS project outside of Pahrump, NV.	<ul style="list-style-type: none"> <li>• Provided analysis of cumulative impacts accounting for the complex of seven solar projects proposed in this area.</li> <li>• Led development of baseline studies to support the EIS and the EIS as the third-party contractor to the BLM, including visual analyses and analysis of impacts to the Old Spanish Trail.</li> <li>• Provided analysis of cumulative impacts accounting for the complex of seven solar projects proposed in this area.</li> </ul>
Solar and BESS Project Compliance Support	Southern Nevada/Las Vegas	Construction of a 145 MW solar facility plus battery storage on BLM land in the Dry Lake SEZ.	<ul style="list-style-type: none"> <li>• Assisted NV Energy with preparation of the pre-construction plans per NEPA requirements.</li> <li>• Assisted with ROW clean-up actions.</li> </ul>
Solar Outreach Support to SNDO	Southern Nevada/Las Vegas	Proposed 80-acre solar site on BLM land	<ul style="list-style-type: none"> <li>• Assisting BLM with pre-application outreach.</li> </ul>
Solar EIS	Southern Nevada/Las Vegas	Development of an 850 MW PV solar plus BESS facility on BLM lands on 9,000 acres of BLM-managed lands in southern Nevada and development of a 16-mile-long gen-tie.	<ul style="list-style-type: none"> <li>• Oversaw the contract civil design engineers and developed the Project Plan of Development and Alternatives.</li> <li>• Led the preparation of 23 technical studies, including addressing a segment of the Old Spanish Trail.</li> </ul>
Solar EA	Southern Nevada/Pahrump	Development of a 650 MW alternating current solar photovoltaic power generating facility with a 650 MW BESS on approximately 3,005 acres in the Amargosa Valley, Nevada.	<ul style="list-style-type: none"> <li>• Will be providing Project Management and Coordination (PMAC) contractor support for the project, which will include processing and completing the applicant-prepared EA on behalf of the BLM.</li> </ul>
Solar Project EIS/Pre-NEPA Support	Battle Mountain/Tonopah	Development of a 2,500-MW solar PV facility and 2,000 MW BESS project on approximately 21,668 acres of public lands in Lander County, Nevada. The 25+ mile-long gen-tie will pass through the Humboldt Toiyable National Forest.	<ul style="list-style-type: none"> <li>• Pre-NEPA support include updating the Plan of Development, preparing the baseline studies to support NEPA including biological, cultural resources, hydrology, paleontology, air quality, noise, and visual resources.</li> </ul>
Solar Project EA	Battle Mountain/Tonopah	Development of a 380-MW PV solar power generating and BESS facility, and a 3.6-	<ul style="list-style-type: none"> <li>• Preparing the EA for this project.</li> </ul>

Project	BLM District/Field Office	Project summary	Key accomplishments
		mile-long gen-tie line on approximately 5,493 acres in Esmeralda County, Nevada.	<ul style="list-style-type: none"> <li>Reviewed the POD for the project and provided the coordination to refine and complete the definition of the project with the project engineers.</li> <li>Reviewed technical studies for incorporation into the EA and prepared SERs including for hydrology, traffic, and visual resources.</li> </ul>
Solar Project EA	Battle Mountain/Tonopah	Development of a 600-MW PV solar power generating and BESS facility, and a 2.3-mile-long gen-tie line on approximately 6,810 acres in Esmeralda County, Nevada.	<ul style="list-style-type: none"> <li>Preparing the EA for this project.</li> <li>Reviewed the POD for the project and provided the coordination to refine and complete the definition of the project with the project engineers.</li> <li>Reviewed technical studies for incorporation into the EA and prepared SERs including for hydrology, traffic, and visual resources.</li> </ul>
Solar Project EIS/Esmeralda Seven Solar Projects Support	Battle Mountain/Tonopah	The Battle Mountain District Office of the BLM is developing a Programmatic EIS to address seven adjacent solar projects near Tonopah. The largest of the projects is the Gold Dust 1.5 GW project, on 17,000 acres.	<ul style="list-style-type: none"> <li>Assisted all the developers in development of the detailed BLM scope of work; developed the RFP to select a contractor for the six developers and assisted in the selection process.</li> <li>Currently leading cultural surveys over 17,000 acres and attending meetings and reviews the support studies prepared by the consultant for the Programmatic EIS.</li> </ul>
Geothermal Confirmation Well Drilling Plan of Operations and CX	Winnemucca/Humboldt River	Development of a geothermal resource confirmation well drilling project in the Buffalo Valley, near Battle Mountain, Nevada within 9,100 acres of leases.	<ul style="list-style-type: none"> <li>Developed the Plan of Operations for the resource well confirmation.</li> <li>Prepared technical studies to support an EA including biological resources studies, hydrology studies, and cultural resource studies.</li> <li>When a new CX was released for geothermal confirmation well drilling in January, convinced BLM to utilize the CX through revisions to the Plan of Operations, obtaining the first CX in the nation under the category.</li> </ul>
Geothermal Permitting Due Diligence	Winnemucca/Humboldt River	Acquisition of the geothermal plant, leases, and assets in Nevada. The nearly-completed plant had been dormant for	<ul style="list-style-type: none"> <li>Compiled a comprehensive table of the existing permit conditions, requirements to transfer ownership</li> </ul>

Project	BLM District/Field Office	Project summary	Key accomplishments
		many years but was built to produce 12.5 MW of power. A new owner asked for a comprehensive due diligence to inform a decision on asset purchase. The BLM has jurisdiction over the geothermal leases.	<ul style="list-style-type: none"> <li>on permits, and remaining or upcoming permits for the project.</li> <li>Consulted with various agencies and the BLM to determine the required steps to fully permit the plan, was it to be acquired, and the costs.</li> </ul>
Solar Project EIS	Carson City/Stillwater	Development of a 700 MW PV solar and BESS project with a 24-mile-long gen-tie to the Walker River Substation.	<ul style="list-style-type: none"> <li>Developed all aspects of the project, including the POD, overseeing and preparing 20 technical studies, and preparation of the EIS.</li> <li>Once the ROD was received, helping the team with pre-construction planning and support to receive an NTP, including preparation of Determinations of NEPA adequacy and review of engineering plans.</li> </ul>
Geophysical Surveys EA	Carson City/Stillwater	Extensive geophysical survey at the Hawthorne Army Munitions Depot.	<ul style="list-style-type: none"> <li>Panorama defined the action, including primarily vibroseis surveys in areas near stored munitions.</li> <li>Prepared the EA addressing all impacts of the project.</li> </ul>
Solar Project EIS	Ely/Bristlecone	Development of a 450 MW PV solar facility, 900 MW of BESS, and approximately 10 miles of gen-tie on BLM land in the Jakes Valley, White Pine County, Nevada.	<ul style="list-style-type: none"> <li>Panorama prepared the Plan of Development and is coordinating all technical studies for the project.</li> <li>Panorama is preparing the SERs and the EIS. Key issues include grazing and biological resource impacts.</li> </ul>
Wind Project EIS	Ely/Bristlecone	Pre-NEPA and technical studies for a 700 MW wind project on BLM lands. The project also includes a 39-mile-long gen-tie. The project is a FAST-41 enrolled project. The NEPA is being led by the Nevada State Office.	<ul style="list-style-type: none"> <li>Oversaw the development and revisions to the Plan of Development.</li> <li>Led the biological working group and review of numerous technical studies.</li> <li>Led review of cultural resource studies, indirect effects and analysis under section 800.8(c).</li> <li>Led technical studies for groundwater, air quality, paleontology, noise, land use, wild horses, and other factors.</li> <li>Planned for the scoping process before project was put on hold.</li> </ul>
Solar Project EA	Palm Springs and South Coast	Preparation of a Plan of Development and technical reports for an up to 500 MW	<ul style="list-style-type: none"> <li>Oversaw the development and revisions to the Plan of Development.</li> </ul>

Project	BLM District/Field Office	Project summary	Key accomplishments
		solar PV plus BESS project located in Riverside County, California.	<ul style="list-style-type: none"> <li>• Led the biological working group and review of numerous technical studies.</li> <li>• Prepared an EA for the project.</li> </ul>
Renewable Energy Project EIR	El Centro Field Office	Development of a 500 to 1,150 MW solar PV and battery storage project on BLM-managed lands in Imperial County, CA. While BLM is the lead agency under NEPA, the project is in a Development Focus Area (DFA) under the California Desert Renewable Energy Conservation Plan (DRECP) and requires a Conditional Use Permit from Imperial County.	<ul style="list-style-type: none"> <li>• Panorama prepared an application and CEQA-equivalent document for the California Energy Commission, under AB 205.</li> <li>• Panorama prepared the initial application draft to submit to the CEC over a six-week period, a record time.</li> </ul>
Solar Projects EA	Palm Springs Coast Field Office	Development of 265 MW and 200 MW solar facilities with battery storage on approximately 2,000 acres and 1,800 acres of BLM-managed lands in Riverside County, CA, near Desert Center.	<ul style="list-style-type: none"> <li>• Panorama PM Emily Capello led the development of the EA for the Palm Springs-South Coast Field Office of the BLM.</li> <li>• Drafted numerous versions of the POD throughout the NEPA process and during Project construction.</li> </ul>
Solar Project EIS	Barstow Field Office	Development of a 287 MW photovoltaic solar field adjacent Interstate-5 near Baker, California.	<ul style="list-style-type: none"> <li>• Designed and managed biological, visual, cultural resources, traffic, air quality/GHG, groundwater, geologic, geotechnical, and hydrologic resource studies to support the BLM's EIS/EIR.</li> </ul>
Compliance Support	Palm Springs-South Coast Field Office	Construction of a 450 MW solar facility outside Blythe, CA, on 3,800 acres of BLM-managed lands.	<ul style="list-style-type: none"> <li>• Panorama is providing remote environmental compliance support to facilitate the work completed by the biological and cultural monitors in the field.</li> <li>• Managing meeting attendance, development of the compliance matrix, training support, and reporting as well as supporting project variances and changes.</li> </ul>
Solar and BESS Project	Colorado River/Kingman	Development of a 400 MW solar and 300 MW BESS facility on BLM lands in Arizona.	<ul style="list-style-type: none"> <li>• Prepared the PPOD and a scope to provide technical and EIS support.</li> </ul>
CIA for 15 locations across AZ, NV, and CA	Various	Development of solar, solar/battery, and standalone storage facilities within 10 miles of various substations across AZ, NV, and CA.	<ul style="list-style-type: none"> <li>• Conducted extensive research into various land and development opportunities, including on BLM-managed lands, private lands, and agricultural lands.</li> </ul>

Project	BLM District/Field Office	Project summary	Key accomplishments
Development support for 18 solar and wind and battery storage projects across NV, ID, UT, WY, and AZ	Various	This work includes on-call, in-house support for a developer's portfolio of 18 projects in NV, ID, UT, WY, and AZ.	<ul style="list-style-type: none"> <li>• Provided additional support including the preparation of Preliminary Plans of Development (PPODs), mapping support, agency outreach, and research and strategy.</li> <li>• Acting as in-house support to a developer, assisting with all aspects of environmental strategy and compliance for their portfolio of projects.</li> <li>• Work has included development of PPODs; GIS support; development of Critical Issues analysis; development of applications and Categorical Exclusions for met towers and stations; leading of cultural, biological, visual, and other special technical studies; coordination with agencies; assistance on the Variance Factor Analysis Review and Variance Process under the Western States Solar PEIS process; and preparation of NEPA review.</li> </ul>

## STAFF BIOGRAPHIES

**Panorama maintains an interdisciplinary team of scientists, environmental planners, GIS specialists, and graphic designers. Our in-house team is supported by noted experts throughout the western U.S. Panorama team members are extraordinary and forward thinking. Each team member is an expert in environmental regulations and CEQA compliance. Team members focus on identifying and meeting client needs, planning ahead to avoid surprises, and moving projects forward to construction.**

### Tania Treis, Principal and President



Tania founded Panorama Environmental Inc in 2011 and serves as the company President. Tania has nearly 25 years of experience managing environmental services and large, complex projects. She is a recognized technical expert in CEQA, NEPA, and regulatory permitting.

She has successfully led the environmental process on hundreds of projects, spanning all phases of development from inception through construction. She was the primary lead and managed all aspects from project inception through technical study preparation, the NEPA process, and compliance monitoring for the Gemini Solar Project, the Libra Solar Project, and for several geothermal projects on BLM lands, to name a few. She assisted NV Energy on the Dry Lake Solar pre-construction compliance work and has provided numerous developers with Critical Issues Analyses for projects across several western states. Tania also has experience with permitting of gas power plants, data centers, and lithium mining. Tania's strengths include multi-tasking to complete the many components of a project that must occur in tandem; communicating with team members and agency staff to address concerns using science, data, and creativity; ensuring the highest quality work products; and managing schedules and budgets successfully.

Tania is frequently asked to provide trainings and presentations on environmental compliance for a wide range of audiences including the San Francisco Bar Association, the California Public Utilities Commission, the San Francisco Public Utilities Commission, industry-associations, chambers of commerce groups, and private developers. Tania has also led numerous public meetings for projects and is well versed and comfortable in front of an audience.

### Susanne Heim, Principal and Vice President



Susanne is recognized for her expertise in providing strategic support for CEQA, NEPA and natural resource regulatory compliance. Susanne has led Panorama's water resource permitting and mitigation planning efforts since 2011. She brings 23 years of experience planning electrical infrastructure, solar

and geothermal, lithium, and watershed restoration projects throughout California, Nevada, and internationally. She is adept at engaging with stakeholder groups and managing teams of diverse scientific experts to identify and resolve environmental challenges early in the planning process and avoid project delays.

Susanne has managed Controlled Thermal's geothermal and lithium permitting efforts with Imperial County and federal and state resource agencies since 2017.

Susanne was awarded the Environmental Improvement Program award from the Lake Tahoe Federal Advisory Committee in 2009 for her contributions to Lake Tahoe Basin restoration. She received her B.A. in Political Science from the University of California San Diego and her M.A. in Public Policy from the University of Nevada Reno. Susanne's role also includes leading company operations and staff.

### Emily Capello, Director



Emily has 20 years of experience directing large diverse teams, including engineering, construction and operations, and environmental subject matter expert staff. She has acted as project manager, program manager, and principal on infrastructure projects throughout

her career. She has led the permitting of solar projects on BLM administered lands including projects in California, Nevada, and Arizona. Emily was involved in the first utility-scale solar power tower project proposed on the California/Nevada border. Since that first project, she has worked with developers and agencies to facilitate projects that can be permitted and constructed, understanding both the engineering and the environmental constraints. Emily has been often praised for her responsiveness, her depth of knowledge, and for the quality of work that is prepared under her watch.

She has a deep knowledge of both CEQA and NEPA, specific to infrastructure projects and federal planning documents. Emily also has extensive experience working with public-sector agencies, including United States Fish and Wildlife Service (USFWS), Bureau of Land Management (BLM), California Department of Fish and Wildlife (CDFW), California Energy Commission (CEC), California Public Utilities Commission (CPUC) and various California Counties.

### Colleen Lavery, Director



Colleen has over 20 years of professional environmental consulting experience specializing in environmental regulatory policy, permitting, and NEPA compliance. Colleen has managed NEPA projects for agencies and third-party contractors that have been prepared

for multi-state transmission lines, transit and transportation projects, exploration and mining, habitat restoration, private developers, city infrastructure projects, non-profit trail builders, aviation, and a Resource Management Plan/EIS. Her experience represents diverse environmental regulatory and NEPA projects for various agencies including the BLM (AK, CA, NV, UT), USFS, USFWS, SHPO, NDEP, NDOW, USACE, USDA RD, HUD, BIA, DOD, DOE, EPA, UDOT, NDOT, FHWA, FTA, FAA, USDA RD, FEMA, NOAA Fisheries, and Alaska Railroad. She has managed and authored the preparation of numerous NEPA process documents including EISs, EAs, Categorical Exclusions, SF-299 ROW applications, Plans of Development, and Plans of Operation, and survey, permitting, mitigation reports and technical studies. She has been involved in the preparation of all facets of NEPA documents and understands the multidisciplinary regulatory processes/permitting that navigate the associated physical, biological, social, and cultural components.

# PANORAMA TESTIMONIALS

"The Project has come a long way. We have dealt with very contentious issues (some a first nationwide I'm sure), bureaucratic hurdles/inertia, weather, and the pandemic, to name a few. When I talk to people about the status of the Project, I make sure they know how Panorama's Project contribution, insight, thoughtfulness, caring, and dedication have placed the Project on a sound permitting track... no matter how tough and frustrating some days have been, I take professional pride and find comfort on the quality of work and level of effort that Panorama puts day-in, day-out."

**Jose L. Angel, PE**  
**City of Calexico**

"In a complex and changing permitting environment like California, having a good consultant is a competitive advantage. Panorama has proved efficient, experienced, organized, and nimble in an industry dominated by giants with large overheads. Importantly, they bring the intangibles of taking pride in the project and seeing the project from the developer's perspective—they have been consistently pro-active and strategically sound. It is only a matter of time before Panorama strings together a number of big successes for their clients."

**Matthew Casey,**  
**Mainstream Renewable Energy**

"I have had the opportunity to work with Panorama on Inyo County public works projects over the last 8 years...From my experience..., I have found them to be very proactive and responsive to the needs of the County. They have worked closely with internal and contracted engineers to develop mitigations that meet engineering needs and project objectives, providing creative input where appropriate. It is also my experience that Panorama prepares documents that are complete and that are readily accepted by agencies. Their communication style, flexibility, and working relationship with our staff have enabled us to complete projects on schedule and comply with all environmental permits. I would highly recommend the services of Panorama Environmental, Inc. They have provided the County with excellent customer service over the years. You can have confidence your projects will be proactively and satisfactorily managed if you hire Panorama."

**Lynn Flanigan, P.E.,**  
**Inyo County Department of Public Works**

"I have been consistently impressed with how knowledgeable the Panorama team is regarding permitting matters, BLM policies, and environmental sciences and how thoughtful and resourceful they are in assessing environmental issues that arise in the permitting process. Where they do not have in-house expertise in an area, they are able to bring in another top-quality firm with the requisite expertise and manage the work to produce the required product in a timely manner. They are also a pleasure to work with and conduct themselves with a high level of professionalism. I have no hesitation in recommending Panorama for environmental consulting services."

**Harry Davitian,**  
**Entek Power Services**

[www.panoramaenv.com](http://www.panoramaenv.com)