



STATEMENT OF QUALIFICATIONS



2023

717 Market Street, Suite 400
San Francisco, CA 94103
650-373-1200

www.panoramaenv.com

TABLE OF CONTENTS

COMPANY PROFILE	1
REPRESENTATIVE CLIENTS	3
SERVICES	4
PROJECT EXPERIENCE	11
STAFF BIOGRAPHIES	17





COMPANY PROFILE

Panorama Environmental, Inc. (Panorama) specializes in helping agencies and companies resolve complex environmental issues from a strategic business perspective. Panorama’s highly qualified professionals collaborate closely with our clients to create solutions that are as economically savvy as they are environmentally sound. Panorama is a women-owned business headquartered in San Francisco, California.

Company History

Panorama is a San Francisco-based, women-owned environmental consulting firm with a 40-year history providing multidisciplinary environmental planning services to public-sector and private clients. Panorama specializes in California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance, and environmental regulatory compliance.

Panorama is a privately owned S-Corporation with two owners, Tania Treis and Susanne Heim. We have been in business as Panorama since 2011; however, our history extends back to 1983 as MHA and RMT. Panorama currently has over 40 employees located throughout California, Oregon, Nevada, and Idaho. Our staff include CEQA and NEPA specialists and project managers, GIS specialists, biologists, air quality and noise specialists, paleontologists, and visual resource specialists. We are certified as a small business enterprise (SBE), woman-and minority-owned business enterprise (WBE/MBE), and disadvantaged business enterprise (DBE).

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)

Premier Organization

The Panorama team fosters 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 CEQA, NEPA, and environmental permitting.** Panorama encourages clients to integrate the CEQA, NEPA, 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.

<p>SERVICE EXCELLENCE</p> <p>Client responsiveness Clear and effective communication</p>	<p>TECHNICAL EXCELLENCE</p> <p>Practical scientific analysis Best and brightest staff Tailored teams</p>
<p>COST EFFECTIVENESS</p> <p>Standardize and document Current technology to maximize efficiency</p>	<p>ETHICS</p> <p>Highest ethical standards</p>



REPRESENTATIVE CLIENTS

Panorama provides service to government agencies and private companies. Panorama's reputation for excellence and quality services is demonstrated by our long-standing, repeat client base shown below.

LOCAL GOVERNMENT/SPECIAL DISTRICTS

City and County of San Francisco*
City of Belmont*
City of Burlingame*
City of Palo Alto*
City of Redwood City*
City of San Mateo*
County of Inyo*
County of Mono*
County of San Mateo*
East Bay Municipal Utility District*
Marin Municipal Water District*
Marin Wildfire Prevention Authority*
Santa Clara Valley Water District*
Town of Los Altos Hills*
Tri-Valley Groundwater Management District

STATE GOVERNMENT

California Public Utilities Commission*
Oregon Institute of Technology*

FEDERAL GOVERNMENT

U.S. Department of Defense-Navy, Army*
U.S. Bureau of Land Management*
U.S. National Park Service, GGNRA
U.S. Forest Service

PRIVATE

Arevia Power
Bechtel Enterprises*
CalEnergy, Inc.*
Calpine Corporation*
Controlled Thermal Resources*
Conсор Engineering
Gradient Resources*
Great Basin Institute
HCycle*
Mainstream Renewable Power*
Open Mountain Energy
Ormat*
Pacific Gas and Electric Company*
Southern California Edison*
U.S. Borax*
Vulcan Chemicals*

ASSOCIATIONS

Association of Environmental Professionals*
California Geothermal Energy Collaborative*
Geothermal Resources Council*
International Geothermal Association*
National Geothermal Collaborative*

**Indicates multiple contracts*



SERVICES

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.

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.

Project 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. Feasibility studies have included reconnaissance-level resource surveys, agency consultations, detailed cost estimates, and permitting schedules and strategies.

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.

Public Engagement

Panorama develops and implements comprehensive public engagement programs tailored to the needs of individual projects and clients in order to achieve informed consent from the community.

Services for public engagement programs include:

- Identifying stakeholders
- Outreach to interested citizens, agencies, and special interest groups
- Coordinating, developing, and conducting public and agency scoping meetings, workshops, webinars, seminars, and hearings
- Preparing Scoping Reports
- Conducting one-on-one interviews
- Developing and hosting websites
- Writing and distributing newsletters
- Developing and managing social media campaigns

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
- 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

CEQA/NEPA Compliance

Panorama prepares documents in compliance with CEQA and NEPA including:

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

Panorama is especially adept at preparing joint federal/state environmental documents with multiple-agency jurisdictions, including joint EIR/EISs, EIR/EAs, and IS/EAs.

Panorama provides clients with services that include:

- Assisting agencies in determining the appropriate type of environmental documentation required under CEQA and NEPA (e.g., IS/MND vs. EIR)
- Identifying lead, cooperating, and responsible agencies
- Defining significance thresholds
- Identifying appropriate tasks and schedules for CEQA/NEPA compliance
- Preparing and distributing agency notices
- Conducting baseline resource studies
- Conducting public hearings and leading public engagement programs
- Developing and maintaining project websites and social media programs
- Defining and implementing mitigation monitoring and reporting 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 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. 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
 - 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.

Other Specialized Services

In addition to the services described above, Panorama offers the following specialized services either as a separate service or as part of a larger project:

- Expert testimony in a variety of technical fields
- On-call support for review of agency requirements
- Issue troubleshooting
- Environmental strategies for strategic planning
- Personalized training for environmental permitting and management issues
- Preparation of, review of, and response to requests for proposals
- Critiques of environmental, resource management, and agency planning documents



PROJECT EXPERIENCE

Panorama has managed and prepared CEQA and 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 joint EIR/EISs, and permit applications) to simple, small-scale biological surveys.

**ENERGY:
SOLAR**



Gemini Solar Project, NEPA and Environmental Lead
Rough Hat Clark County Solar Project EIS

Golden Currant Energy Project EIS

Libra Solar Project EIS

Copper Rays Solar EIS

Clearway Energy Group LLC, Arica and Victory Pass
Solar plus Battery Storage Projects, 265-MW and 200-
MW, respectively, Environmental, Permitting, and
Compliance Support, Riverside County, CA

Caithness/Bechtel Soda Mountain 350-MW
Solar Project, Environmental, Engineering, and
Permitting Support

Renewables America, CEQA and studies for multiple
community scale solar sites, CA

Gradient Resources, Patua Solar, prepared a Major
Special Use Permit for a 20-MW solar project in
Churchill County, NV

Mainstream Renewables Dixieland Solar Project,
Environmental, NEPA, Engineering and Permitting
Support for a project in Imperial County, CA

EBMUD Duffel PV Project IS/MND and permitting

Confidential Clients Environmental and Transmission
Review for Multiple Solar Installations

**ENERGY:
TRANSMISSION AND TELECOMMUNICATIONS**



SDG&E Sycamore to Peñasquitos 230-kV Transmission
Line EIR

SCE Gorman-Kern River 66kV Transmission Line Rating
and Remediation Project IS/MND

SCE Riverside Transmission Reliability Project, 230-kV
Transmission Line EIR

PG&E Santa Cruz Reinforcement Project 115-kV
Transmission Line EIR

PG&E Fulton to Fitch Mountain Reconductoring
IS/MND

SDG&E TL 695 and TL 6971 Camp Pendleton
Reconductoring IS/MND

PG&E Cabrillo to Santa Ynez 115-kV Reconductoring
IS/MND

PG&E Atascadero to San Luis Obispo 115-kV
Reconductoring IS/MND

Southern California Edison El Casco System Proponent's
Environmental Assessment (PEA)
and monitoring

Southern California Edison Valley to Ivyglen
Transmission Siting and PEA

Southern California Edison Ritter Ranch Substation and
Telecommunications (PEA)

SDG&E Salt Creek Substation EIR

Channel Islands Telephone Company for the Channel
Islands Telecommunication Infrastructure IS/EA

ExteNet Systems, LLC, State Route 35 Distributed
Antenna System IS/MND

ENERGY: GEOTHERMAL



Controlled Thermal Resources Hell's Kitchen,
Salton Sea Permitting

Olkaria Geothermal Field Environmental Oversight

Djibouti Geothermal Exploration ESMP

St. Lucia Geothermal Exploration ESIA

Coso Geothermal Plant Relicensing NEPA review

Gradient Resources, Inc., Patua Phases I & II
Geothermal Power Plant EAs

U.S. Navy Geothermal Resources and Energy Project
EIS

Calpine Fourmile Hill Geothermal Development Project
EIS/EIR

CalEnergy Coso Geothermal Development
Environmental Documents (EIS, EA/EIR, and EAs)

Bottle Rock Power Geothermal Expansion Project, CEC
Process

Ormat Carson Lake Exploration EA and Plan of
Development

CalEnergy Newberry Geothermal Pilot Plant
Project EIS

Oregon Institute of Technology Geothermal
Project EA

Town of Lakeview Geothermal Project EA

Canby Cascaded Geothermal Project EA

National Geothermal Collaborative
Outreach Repo

ENERGY: WIND



Pattern Energy Santa Isabel Wind Development EIS,
Puerto Rico

Helo Sand Canyon Wind Development Engineering and
Permitting

Western Wind Windstar Construction Monitoring

GIS Constraints Analysis for Wind Development
in California

BLM Plan of Development and baseline studies or
confidential client

ENERGY: UNDERGROUND GAS STORAGE AND GAS/OIL PIPELINES



Gill Ranch Gas Storage, Pipeline, and
Transmission Line

Wild Goose Natural Gas Storage Expansion EIR
Environmental Review for the Decommissioning and
Sale of the Montebello Gas Field

Wyoming-California Pipeline Company WyCal Natural
Gas Pipeline Resource Surveys and Environmental
Reviews

CPUC Valuation and Sale of Southern California
Edison Fuel Oil Pipeline Environmental Review

Shell Marsh Creek Oil Pipeline Replacement Mitigation
Monitoring

WATER AND NATURAL RESOURCES



East Bay Municipal Utilities District Alameda
Pipeline Crossing EIR

San Francisco Public Utilities Commission On-Call
Contract (more than 100 separate projects including
CEs and IS/MNDs)

Coso Hay Ranch Water Extraction and Delivery
System EIR

Marin Municipal Water District Biodiversity Fire
and Fuels Integrated Plan EIR

Mono County Walker Basin Water Transfer EIR

Mount Sutro Vegetation Management Plan EIR

Inyo County Public Works Habitat Restoration Plans
for Sabrina and Trona Wildrose Areas

Santa Clara Valley Water District Dam Maintenance
Program and Program EIR

Santa Clara Valley Water District Pipeline
Maintenance Program and Program EIR/EA

Montara Water and Sanitary District Master Plan
Phase I EIR

Western Water Company Olancho Water Project
CUP and Environmental Review

Tri-Valley Ground Water Management District/U.S.
Filter Tri-Valley Surplus Groundwater Project
Studies and Initial Study

Soda Mountain Solar Groundwater Modeling,
Drilling, and Well Test

FIRE AND FUELS MANAGEMENT



Marin Wildfire Prevention Authority Environmental Services On-Call Contract (includes CEQA, NEPA, and permitting services)

Marin Municipal Water District Biodiversity Fire and Fuels Integrated Plan and EIR

MidPeninsula Regional Open Space District Fire and Fuels Management Program and EIR

Alpine County Fire Management Plan and IS/MND

Valley Water Stevens Creek Vegetation Management

Eastern Sierra Climate and Communities Resiliency Project EA

Lassen National Forest Vegetation Management EA

El Dorado National Forest Fire Hazard Tree Removal EA

San Mateo Resource Conservation District El Granada Wildfire Risk Assessment

INFRASTRUCTURE: TRANSPORTATION



Sabrina Road Bridge Replacement Studies and Initial Study, NES

Riverside Road Bridge Replacement NES, Cat Ex with Studies

Norfolk Street Bridge Rehabilitation Project NES

Walker Creek Bridge Replacement IS/MND and Cat Ex with Studies

Carroll Creek Bridge Replacement IS/MND and CatEx

Topaz Bridge Maintenance Permitting

Forrester Road Bridge Replacement Project IS/MND and NEPA CatEx

Verde School Road Bridge Replacement Project IS/MND and NEPA CatEx

City of Bishop Grove Street Sidewalks Project IS/MND

Inyo County Emergency Road Repair Environmental Studies, CEQA/NEPA compliance, and Permitting

Owens Lake Soda Ash Mining and Railroad Rehab EIS/EIR

INFRASTRUCTURE: FLOOD CONTROL

City of San Mateo San Mateo Creek Flood Control Improvements Project IS/EA

Marin County Flood Risk Management Project EIR

Golden Gate National Recreation Area Tennessee Valley Dam Removal Project EA

INFRASTRUCTURE: WASTEWATER

City of Calistoga Riverside Ponds Permitting

Ione Wastewater Treatment Plant Master Plan EIR

Grass Valley Wastewater Treatment Plant Upgrades IS/MND

Tecopa Sewage Lagoon Repair Project EA/IS and Monitoring

Los Altos Hills Sewer Replacement Project IS/MND

Jamestown Effluent Pipeline EIR

RESIDENTIAL DEVELOPMENT/PLANNING



On-Call Services for the San Mateo County Planning Department

On-Call CEQA Services for the Santa Clara County Planning Department

On-Call CEQA Services for the City of Burlingame

On-Call CEQA Services for the City of Redwood City

On-Call CEQA Services for Mono County

On-Call CEQA Services for City and County of San Francisco

1870 -1876 El Camino Real Redevelopment IS

Alhambra Valley Estates EIR

Bowden Ranch Development EIR

Douglas Avenue Redevelopment EIR

Laurel Way Planned Development EIR

Sand Hill Estates Lawler Ranch Road EIR

Sunnyvale Town Center Master Plan EIR

Sunrise Assisted Living Facility EIR

Guadalupe Quarry Redevelopment Project EIR

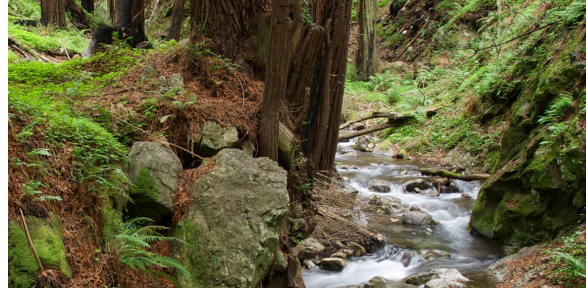
County of Mono CEQA Greenhouse Gas Streamlining Checklist and VMT Thresholds

Tule River Reservation Health Clinic EA

City of Sunnyvale Civic Center Modernization EIR

Alameda County Fire Station Modernization IS/MNDs

PARKS AND RECREATION



City of Bishop Pine to Park Path Project IS/MND

Dehy Park Improvements Project IS/MND

Laws Railroad Restoration Project IS/EA

Berkeley Bay Trail Extension around the Berkeley Marina IS/MND

County of San Mateo Trails Plan Program Update and Program EIR

Bair Island Bay Trail Improvement Project IS/EA

San Mateo Shoreline Parks Master Plan IS/MND

Beresford Park Master Plan IS/MND

MINING

Hell's Kitchen Lithium+Geothermal Permitting, Imperial County

Critical Issues Analysis for Lithium Development, Imperial County (Confidential Client)

CariSal Calcium Chloride Project Certificate of Environmental Clearance, Trinidad, Trinidad and Tobago

Owens Lake Soda Ash Company Mining and Processing and Railroad EIR/EIS, Inyo County

U.S. Borax Trona Upgrade Project Conditional Use Permit Application and Initial Study

Briggs Gold Mine Studies, Panamint Valley, Inyo County

STAFF BIOGRAPHIES

Panorama maintains an interdisciplinary team of scientists, environmental planners, GIS specialists, and graphic designers. 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. Key management staff are listed below.

Tania Treis, Principal



Tania is a Founding Principal of Panorama Environmental, Inc., and specializes in CEQA, NEPA, and permitting compliance. Tania has held a passion for science and the environment her whole life and takes a pragmatic, yet proactive approach to her work. After a few false career starts in finance and pharmaceuticals, she settled

into environmental consulting in 2002 and never looked back. Over the last 22 years, Tania has moved through the field from an analyst, to a scientist and planner, to a manager, and in 2011, the co-founder and Principal of Panorama Environmental, Inc.

Tania's technical understanding spans disciplines including biology, geology, hydrology, and cultural resources. She has built and managed extensive project teams composed of in-house and subcontracted specialists. She has prepared all sections of CEQA and NEPA documents. She also has managed the permitting process and led public outreach programs on contentious projects. She has become a leader in the field, and is called upon to provide trainings and lead workshops for industry groups such as the Association of Environmental Planners and the San Francisco Bar Association and is a member of the Association of A/E Business Leaders.

Tania's vision for Panorama has been to create a company that serves clients with a highly focused and intelligent team of professionals who care deeply about their work and bring success to every project, while also being a great place to work.

Tania received her Bachelor degree in Mathematical Biology and Master's degrees in the fields of Geology and Biology. As an owner of Panorama, she oversees the company's overall business strategy, finances, and information technology.

Susanne Heim, Principal



Susanne is a Principal and co-owner of Panorama with 20 years of project and program management experience in the environmental field. Susanne has led CEQA, NEPA, and permitting efforts for electric utility, solar, geothermal, water utility, residential, and watershed restoration projects throughout California, Nevada, and internationally. Susanne is

recognized for her team leadership and ability to motivate teams to achieve project and program goals. Susanne currently leads Panorama's services in the geothermal, electric utility, and water resource sectors. Susanne became a co-owner of Panorama in 2019.

Susanne currently serves as a Project Director for multiple Panorama contracts. As a Project Director, Susanne provides Quality Assurance/Quality Control of deliverables and provides strategic direction to meet the project schedule and budget.

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 as an owner of Panorama includes leading company operations and staff development.

Megan Peterson, Director



Megan has 25 years of experience in environmental program management for energy and infrastructure projects, including renewable energy, utility infrastructure and vegetation management, water pipeline and treatment facilities, and transportation. She is well versed in the full life cycle of projects from early inception, siting, and constraints reviews to planning, permitting, and regulatory strategy to compliance management, environmental inspection, and restoration/revegetation. Megan has a broad knowledge of federal, state, and local regulatory processes and has secured discretionary environmental permits for projects in California, Nevada, Idaho, Oregon, and Washington. She's managed and authored a wide range of environmental documents in compliance with NEPA and CEQA; technical studies for biological and cultural resources, hydrology, water quality, stormwater, and restoration; as well as preconstruction environmental plans, plans of development, project implementation plans, and site restoration plans. Megan has also successfully managed the environmental compliance programs for numerous, complex, linear projects across a diverse range of sensitive habitats, with specific expertise in water quality protection, stream and wetland restoration, and erosion and sediment control. Megan has functioned in a management and leadership role for over 10 years and provides staff guidance, mentorship, and training and ensures consistency, accuracy, and quality of staff deliverables.

Angie Alexander, Director



Angie has over 20 years of experience directing large cross-functional teams, including design and engineering, construction and operations, and environmental subject matter expert staff. She has acted as project manager, program manager, and principal on infrastructure projects for over 10 years and has 20 years of technical experience in landscape ecology, botany, and environmental policy. Her qualifications include hands-on development of comprehensive planning and permitting strategies, management of multidisciplinary technical studies and teams, and oversight of environmental compliance management programs and large linear infrastructure projects. She has overseen the preparation of over a dozen CEQA and NEPA compliance documents to permit infrastructure projects; is adept at agency negotiations; and has extensive experience working with public-sector agencies, including United States Army Corps of Engineers, United States Fish and Wildlife Service, Bureau of Land Management, California Public Utilities Commission, California Department of Fish and Wildlife, State Water Resources Control Board and various Regional Water Quality Control Boards, San Francisco Public Utilities Commission, and San Francisco Bay Conservation and Development Commission. Angie is a highly collaborative leader adept at relationship building with clients and stakeholders, technical staff, contractors, and agencies.

Jessica Koteen, Senior Manager



Jessica Koteen has more than 20 years of experience as an environmental compliance and regulatory permitting specialist. She has worked with both the private and public sectors on a wide range of projects, including tribal land development, utilities, recreation and community master planning, forest planning, new school construction, and wind energy development. As Project Manager, she is skilled in National Environmental Policy Act (NEPA), the California Environmental Quality Act (CEQA), and the Montana Environmental Policy Act (MEPA) compliance; interagency coordination; regulatory permitting; and the facilitation of community outreach efforts. Ms. Koteen has recently managed numerous projects with NEPA components for a variety of federally recognized tribes, as well as contributing to the development of US Forest Service (USFS) Environmental Assessments (EAs) throughout Montana and Idaho.

Emily Capello, Senior Manager



Emily is a Senior Manager with 20 years of experience, including 14 years managing the permitting for solar projects on Bureau of Land Management (BLM)-administered lands, starting with the first utility-scale project proposed on the California/Nevada border. She has directed large and diverse teams, including engineering, construction and operations, and environmental subject matter expert staff. Emily is a recognized expert in BLM land use management and the multiple-use goals of the BLM. She is well versed on the numerous BLM handbooks and BLM policies that dictate the use of BLM land. She has worked on dozens of solar projects and understands the need for creativity and perseverance to reach a successful completion of a project. She has also overseen the preparation of over a dozen CEQA and NEPA environmental documents specific to infrastructure projects and federal planning documents and has extensive experience working with public-sector agencies, including United States Fish and Wildlife Service, BLM, California Department of Fish and Wildlife, California Energy Commission, California Public Utilities Commission and various Counties (Riverside, San Bernardino, San Luis Obispo, and Inyo).

Rita Wilke, Senior Manager



Rita has has 12 years of experience in the environmental field. She has conducted environmental review under the CEQA and NEPA. Rita has managed environmental compliance and conducted impact analyses for a variety of projects including transmission, energy, water resource, transportation, and residential development projects. Rita has a strong understanding of permitting processes and has prepared permit applications for U.S. Army Corps of Engineers, California Department of Fish and Wildlife, and Regional Water Quality Control Boards. Rita has also managed the preparation Biological Assessments to support U.S. Fish and Wildlife Service consultation under Section 7 of the Endangered Species Act. She has experience coordinating with state and federal agencies throughout project definition, preparation of the environmental document, and project construction. Rita manages and conducts compliance monitoring for public works and transmission projects. Rita is also trained to conduct noise monitoring and data collection. She collaborated with noise technical experts to prepare an updated version of the Federal Highway Administration's Roadway Construction Noise Model (RCNM). The updated model is based on over 50 hours of data collection and is tailored to pipeline construction projects. Although the updated model is based on pipeline construction noise. Rita applies these findings to her analysis when considering impacts of linear projects.

Aaron Lui, Senior Manager



Aaron has 14 years of professional experience conducting environmental review and permitting for development projects during all phases including planning, design, construction, and post-construction restoration. During the planning and design phases, Aaron's work has

focused on analyzing environmental and planning constraints using geographic information systems, developing project descriptions and alternatives, identifying impacts and permitting requirements, developing appropriate and feasible mitigation measures, quantifying land impacts, creating maps and graphics, and authoring impact sections for environmental documents required by CEQA and NEPA. Aaron's construction-phase work focuses on compliance monitoring for mitigation measures, project plans, and a variety of environmental permits including Regional Water Quality Control Board 401 permits, U.S. Army Corps of Engineers 404 permits, California Department of Fish and Wildlife 1602 permits and Incidental Take Permits, and U.S. Fish and Wildlife Service Biological Opinions. Aaron's post-construction experience includes monitoring multi-year restoration projects and preparing extensive reports that evaluate the success and effectiveness of mitigation measures and offer lessons learned for future projects.

Aaron has extensive experience coordinating with lead CEQA agencies, project applicants, permitting agencies, and construction personnel. In addition, Aaron has extensive experience preparing compliance reports, developing strategies to streamline construction monitoring and reporting requirements for complex construction projects, facilitating resolutions for compliance issues, and drafting lead agency authorization letters. Aaron also has advanced experience as a photographer and utilizes his composition techniques in his cartography work and graphic design. Most recently, Aaron has been working under senior mentorship to lead visual analyses.

Caitlin Gilleran, Senior Project Manager



Caitlin has over 12 years of environmental planning and technical analysis experience. Caitlin is both versatile and a very strong technical specialist. In her work, Caitlin has assisted in the preparation of environmental studies, reports, and other environmental documents for

an array of mixed-use, residential, institutional, transportation, mitigation, energy, and infrastructure projects.

Caitlin has extensive experience in preparing CEQA and NEPA documentation (Environmental Impact Statements, Environmental Impact Reports, and Initial Studies), including writing environmental impact analyses, reviewing technical studies, and research. Caitlin excels in tracking and maintaining budgets, client relationships, technical expert management, and workload projections. Caitlin is especially effective in achieving deadlines by meeting deliverable targets with efficient workload management. Her technical expertise includes modeling air quality and greenhouse gas emissions using CalEEMod and analyzing the results. Caitlin has previously worked for local and federal agencies, including the County of San Luis Obispo and the Department of Interior's Office of Environmental Policy. Caitlin currently manages the Marin Wildfire Prevention Authority (MWPA) CEQA compliance contract.

Whitney Broeking, Senior Project Manager



Whitney is a Senior Project Manager and environmental planner with 12 years of experience, providing management, research, technical, permitting, coordination, and writing support services for energy, urban development including low-income housing, and transportation industries.

Whitney is responsible for research, coordination, and management in the preparation of environmental documents for projects subject to compliance with CEQA and NEPA, including Environmental Impact Reports, Mitigated Negative Declarations, Environmental Impact Statements and Environmental Assessments. Whitney is experienced in supporting clientele with the procurement of regulatory permits and authorizations from the U.S. Army Corps of Engineers, California Department of Fish and Wildlife, Regional Water Quality Control Board, and Federal Aviation Administration.

Lynell Sutter, Senior Manager



Lynell is a Senior Project Manager with over 18 years of experience preparing NEPA documentation including Environmental Assessments (EAs), Environmental Impact Statements (EISs), and EIS/Resource Management Plans (RMPs), as well as other regulatory documents such as Biological Assessments (BAs). Her experience includes private, state, and federal natural resource and land use planning, environmental impact analysis, NEPA, environmental permitting and compliance, data collection and analysis, rangeland monitoring and assessment, and GIS. For over a decade, Lynell has provided technical expertise for various disciplines including vegetation (uplands and riparian), rangelands, forests, special status and threatened/endangered species, and livestock grazing. She has served as a technical specialist, resource lead, interdisciplinary team lead, assistant project manager, and project manager on small-to-large scale, multijurisdictional projects including site-specific NEPA projects, resource management/land use plans, and strategic conservation plans. Lynell has completed specialized project management training for contract, risk, financial, time, team, communication, and quality management. Her leadership style is focused on effective communication, proactive problem solving, and she strives to guide individuals and teams to their highest level of collaboration, innovation, and effectiveness.

Regina Ochoa, Senior Planner



Regina has eight years of experience in environmental and land use planning. She specializes in managing complex projects, collaboratively working with stakeholders and agencies, overseeing multidisciplinary teams, and preparing and presenting staff reports that can be easily understood by people of diverse backgrounds to decision-makers and community groups. She has managed the CEQA review process for renewable energy, industrial, commercial, and residential projects. Regina is particularly adept at reviewing plans for ordinance compliance, public engagement and community outreach, and preparing and managing CEQA documents.

Keri Hill, Senior Project Manager



Keri is an experienced project manager, specializing in National Environmental Policy Act compliance for multiple entities and agencies. Most recently, Keri has managed complex project teams through feasibility and environmental analysis of watershed related projects such as dam raises and decommissioning for both the United States Bureau of Reclamation and the Natural Resources Conservation Service. Keri has led Biological Assessments, Environmental Assessments, and Environmental Impact Statements with a robust understanding of NEPA and agency processes.

Corey Fong, Cartographer/GIS Manager



Corey has over 18 years of experience with a range of expertise including Environmental Science, Geography, and computer aided cartography. He has used ArcMap, ArcInfo, and ArcEditor from ESRI to create and maintain GIS data and geodatabases and has experience with the Spatial Analyst and 3D Analyst extensions. Corey uses Adobe Illustrator, Photoshop, and Acrobat to edit maps and figures for environmental documents, and TerraSync and Pathfinder Office software to integrate GPS data into project specific GIS. He has also generated project models using Google SketchUp 7 for placement in computer-generated 3D virtual tours of proposed projects. Corey has also worked as a backcountry ranger for the U.S. Forest Service in the Emigrant Wilderness of California.

Caitlin Jensen, GIS Manager



Caitlin is a GIS Specialist with a Master of Science degree in GIS and a Bachelor of Science degree in biology. Her combination of education and professional experience has provided her with a skill set based in geospatial analysis, conservation planning, database management, field data collection using GIS mobile apps, and cartographic design. Caitlin has technical skills in Python and SQL and has developed expertise in using R to expedite data management tasks and optimize GIS data processing.

PANORAMA TESTIMONIALS

“Panorama Environmental is working with the Marin Municipal Water District to prepare a Programmatic EIR for our Draft Wildfire Protection and Habitat Improvement Plan, which is designed to address both wildfire risk reduction and invasive species spread on the vast Mt. Tamalpais watershed. Panorama brought to the project the vast depth of experience, expertise, and creativity needed to tackle the challenge of evaluating the potential effects of the Plan, including the potential introduction of herbicides as one of many tools in the vegetation management toolbox. We have been extremely satisfied with Panorama’s work to date on this project, especially with the thoughtful creativity they have demonstrated in addressing complex and emotional issues in a straight-forward, easily understood way.”

Dain Anderson,
Marin Municipal Water District

“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

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