

EDUCATION

- Master of Science degree in Engineering, California Polytechnic State University, San Luis Obispo 1997
- Master's degree in City and Regional Planning, California Polytechnic State University, San Luis Obispo 1997
- Bachelor of Science degree in Environmental Policy Analysis and Planning, University of California, Davis 1995

SELECT PROJECT EXPERIENCE

Kosciusko Junction Pipeline Project, Boardwalk Pipelines 2025-Present

Provided strategic direction for the outreach program and stakeholder engagement for approximately 110 miles of new natural gas pipeline, two new compressor stations, and modifications to two existing compressor stations across nine counties in Mississippi, which requires a Federal Energy Regulatory Commission Natural Gas Act Section 7 certificate. Conducted technical review of the project deliverables, which included a comprehensive stakeholder outreach plan and strategy, as well as open house materials.

Programmatic Region 2 Incidental Take Permit Environmental Impact Report, Pacific Gas and Electric Company 2024-Present

Managing activities associated with securing an Incidental Take Permit and Master Streambed Alteration Agreement covering ongoing operations and maintenance of natural gas and electric infrastructure in the California Department of Fish and Wildlife's North Central region of California. Managed the development of an Environmental Impact Report analyzing potential impacts. Facilitating agency and client meetings.

30-Year San Joaquin Valley Long-Term Incidental Take Permit Project, Southern California Gas Company 2024-Present

Providing oversight, strategic advice, and technical review of a California Environmental Quality Act analysis for an Incidental Take Permit for the ongoing operations and maintenance of the pipeline system in the San Joaquin Valley region of California.

Programmatic Section 404 and 401 Permitting for PG&E's Bay Area Operation and Maintenance Program, Pacific Gas and Electric Company 2018-Present

Managed the regional general permitting processes—including securing a Regional General Permit from the United States Army Corps of Engineers, a Water Quality Certification and Waste Discharge Requirements from the State Water Resources Control Board, and the associated California Environmental Quality Act process—for 5 years of discharges to waters of the United States and waters of the state associated with Pacific Gas and Electric Company's San Francisco Bay Area operations and maintenance activities for natural gas pipelines and electric transmission and distribution lines. Managed the development of an Environmental Impact Report in accordance with the California Environmental Quality Act and provided technical review of all sections of the document. Facilitated regular client and agency meetings. Overseeing ongoing approvals of projects under the permit. Developing a programmatic restoration plan.

Angeles Link Project, Southern California Gas Company 2023-2024

Provided technical review of the analysis of approximately 1,300 miles of pipeline routes in Southern California to determine potential environmental impacts, including routes in Imperial, Riverside, and Orange counties, California. Provided strategic advice and oversight in the development of the Environmental Social Justice Community Outreach Plan. Provided strategic permitting advice.

Fort Irwin Project, Southwest Gas Corporation 2023-2024

Provided environmental permitting advice for the installation of approximately 21 miles of 6-inch-diameter natural gas pipeline to the Fort Irwin National Training Center in San Bernardino County, California, as well as tying into a Kern River facility located on Bureau of Land Management land. Interfaced with federal agencies regarding the project and permitting requirements.

California Desert Gas Pipeline Operation and Maintenance Program, Pacific Gas and Electric Company 2015-2024

Managed the preparation of an Incidental Take Permit application package and an Environmental Impact Report to support an Incidental Take Permit for the operation and maintenance of approximately 645 miles of pipelines in the Mojave Desert region, which encompasses facilities in San Bernardino and Kern counties, California. Managed revisions to the document and responses to data requests from the lead agency. Developed a comprehensive environmental training program for all staff implementing the operations and maintenance activities. Oversaw the development of mitigation plans. Regularly facilitated meetings with agencies related to the permit and environmental document.

North Baja XPress Project, North Baja Pipeline, LLC (TC Energy) 2019-2023

Managed the permitting—including a Section 7(c) filing, Section 7 consultation, Section 106 consultation, National Pollution Discharge Elimination System permitting, and local permitting—for additions and modifications to existing compressor and meter stations on North Baja’s pipeline system in California and Arizona to meet growing natural gas demand.

Confidential Project, Confidential Client 2021-2022

Provided regulatory guidance to a confidential project involving the construction of approximately 100 miles of natural gas pipeline. Developed an initial stakeholder engagement plan.

Confidential Project, Confidential Client 2019

Provided strategic permitting advice for the installation of a new 30-inch-diameter natural gas pipeline and the removal of a section of the existing 30-inch-diameter natural gas pipeline that spans a river and supporting suspension bridge.

Pipeline Safety & Reliability Project, San Diego Gas & Electric Company and Southern California Gas Company 2014-2018

Provided technical advice, review, oversight for routing, the development of permitting strategies, and the preparation of a Proponent’s Environmental Assessment for the construction, operation, and maintenance of a new, approximately 50-mile-long natural gas transmission pipeline in San Diego County, California. Provided technical review and oversight for the environmental justice assessment for the project. Attended meetings with the California Public Utilities Commission project manager and consultant.

Desert Strength Test Projects, Pacific Gas and Electric Company 2017

Managed the preparation of California Environmental Quality Act analyses for two projects in the Mojave Desert region of California. The Ridgecrest Strength Test Project involved hydrostatic and pneumatic testing activities for approximately 54 miles of pipelines, and the Newberry Springs Hydrostatic Testing and In-line Inspection Project involved hydrostatic testing and in-line inspection activities on approximately 79 miles of pipelines.

North Baja Pipeline – Milpitas Wash Project, TransCanada 2016-2017

Managed the permitting and the environmental compliance program for the replacement of an approximately 260-foot-long segment of 30-inch natural gas pipeline in the Milpitas Wash in Imperial County, California. Managed the development and implementation of a compensatory mitigation plan for impacts to desert tortoise habitat.

2081 Incidental Take Permit Mitigated Negative Declaration, Southern California Gas Company 2010-2011

Managed the preparation of a Draft Mitigated Negative Declaration for a California Department of Fish and Game 2081 Incidental Take Permit to conduct routine operation and maintenance activities within Southern California Gas Company’s Northern Service Territory. Served as the California Department of Fish and Wildlife’s representative. The project involved operation and maintenance of approximately 1,100 miles of pipelines within an approximately 9,120-square-mile area primarily located within southern San Joaquin Valley, encompassing facilities in Fresno, Kings, Tulare, Kern, Ventura, Santa Barbara, and San Luis Obispo counties, California.

North-South Interconnect Project, Southern California Gas Company 2009-2010

Advised on the permitting strategy for conversion of approximately 76 miles of petroleum pipeline to natural gas and the construction of approximately 1.7 miles of new pipeline in San Bernardino and Riverside counties, California. Provided technical review of the Preliminary Plan of Development, Environmental Assessment, and California Environmental Quality Act Addendum. Attended agency meetings and conference calls.

On-Call Services, Pacific Gas and Electric Company 2007-2009

Provided technical oversight and quality assurance for various Pacific Gas and Electric Company construction and maintenance projects throughout Northern California. Oversaw regulatory and permitting services for several maintenance projects. Reviewed necessary environmental permit applications. Projects included pipeline repair, replacement, and relocation and vegetation management activities along pipeline rights-of-way and substations.

Line 6914 Imperial Valley Loop Project, Southern California Gas Company 2007-2009

Managed the preparation of all applicable federal and state permits for the construction and operation of approximately 22 miles of natural gas pipeline in Imperial County, California. Oversaw preparation of an applicant-prepared California Environmental Quality Act document and various permit applications. Served as the primary liaison with multiple government agencies, including the United States Army Corps of Engineers, United States Fish and Wildlife Service, California Department of Fish and Game, and Regional Water Quality Control Board. Facilitated California Environmental Quality Act approval of the project through Imperial County. Oversaw development and delivery of the supervisory training program. Supported compliance management and agency reporting during construction.

KLM to Valero Pipeline Replacement Project, Contra Costa County*2004-2009*

Managed the preparation of a Mitigated Negative Declaration for the Contra Costa County Community Development Department for approval of Chevron Pipe Line Company's 2-mile-long, 12-inch-diameter pipeline in the Martinez area of the San Francisco Bay Area. Work included preparation of data requests, data collection and fieldwork, preparation of the Mitigated Negative Declaration, and responding to comments. Managed three subconsultants and oversaw the compliance monitoring program during construction of the project. Oversaw post-construction reporting and inspections.

2008 Expansion Project, Tuscarora*2006-2008*

Managed the preparation of an Environmental Report required to obtain a Certificate of Public Convenience and Necessity from the Federal Energy Regulatory Commission for a natural gas compressor station located in Modoc County, California. Attended agency meetings and oversaw all permitting efforts associated with this project in compliance with the National Environmental Policy Act and California Environmental Quality Act. Managed several subconsultants. Provided permitting assistance for the installation of an approximately 515-foot-long pipeline lateral located in Washoe County, Nevada. Managed the preparation and delivered the supervisory environmental training program. Oversaw the environmental compliance program during construction of the pipeline lateral and compressor station.

Gold Rush Expansion/Barrick Lateral Project, Tuscarora*2004-2005*

Managed the federal permitting for an approximately 0.5-mile-long pipeline lateral in Nevada. Work included preparation of the draft Environmental Report, a biological technical report, coordination with the United States Fish and Wildlife Service and United States Army Corps of Engineers, and securing all permits. Prepared the project's Storm Water Pollution Prevention Plan.

2005 Expansion Project, Tuscarora*2004*

Managed the preparation of an Environmental Report supporting an application for a Federal Energy Regulatory Commission Certificate of Public Convenience and Necessity for the expansion of an existing booster station in Nevada and construction of a new compressor station in Northern California. Managed a joint Applicant-Prepared Environmental Assessment for submittal to the Federal Energy Regulatory Commission for the Tuscarora 2005 Expansion Project and Paiute Pipeline Company's 2005 Expansion Project involving construction of a compressor station.

Hungry Valley Lateral Project, Tuscarora*2000-2001*

Prepared resource reports in support of Tuscarora's Hungry Valley Lateral Project, which involved construction of an approximately 16-mile, 16-inch-diameter natural gas pipeline lateral in Washoe County, Nevada. Managed the preparation of an Applicant-Prepared Environmental Assessment in accordance with Bureau of Land Management guidelines. Developed the Bureau of Land Management Plan of Development, Federal Energy Regulatory Commission Implementation Plan, and environmental permit applications. Provided input on routing based on permitting and environmental resources. Addressed environmental justice concerns associated with a Native American reservation in close proximity to the proposed pipeline.

MEMBERSHIPS

- National Association of Women Business Owners *2019-Present*
- Women's Energy Network (founding member and board of directors member for the past 3 years for the Women's Energy Network – California) *2018-Present*
- Association of Women in Water, Energy, and Environment *2018-Present*
- Southern Gas Association *2018-Present*
- Association of Environmental Professionals *2005-Present*