

Related Experience

Since our firm's founding almost 30 years ago, EKI has successfully provided program management services to municipal clients throughout California. Moreover, we bring a specific understanding and expertise in wastewater and water treatment environments, and a reputation for providing collaborative leadership to our clients' projects. Our featured projects were selected to demonstrate our understand of the City's WQCP, as well as for their relevance to the City's scope. Each of the following descriptions demonstrates EKI's abilities to provide responsive, comprehensive Program Management support.



Program Management WQCP Wet Weather and Digester Improvements Project

**City of South San Francisco,
CA**

EKI is currently serving as the City of South San Francisco's (City's) Program Manager for the selection of a construction management firm for the construction of the Wet Weather and Digester Improvements Project at the WQCP. EKI's team's scope includes preparing

PROJECT REFERENCE:

**Brian Schumacker, Water
Quality Control Plant
Superintendent**

195 Belle Aire Road
South San Francisco, CA 94080
(650) 829-3844

EKI Project Team Members:

Steve Tarantino, Program
Manager; Nelson Schlater,
Technical Advisor; Dave Umezaki,
Deputy Program Manager

Construction Cost / Program

Budget: \$53,000,000

Start and End Dates: Start July
2017 – Ongoing

Project Design Complete: 99%

the RFP, management of the review of responses to the RFP and facilitating the interviewing and selection of a construction manager. As part of this process, EKI is also assisting the City and the design engineer in formulating an approach to bidding a proprietary digester equipment/process which includes a process warranty from the manufacturer and is currently leading the negotiations with this equipment supplier regarding the cost of the equipment and the terms and conditions which will govern its purchase, installation, and operation.

What the WQCP Team says about working with Steve:

"Steve brings particular knowledge and care when it comes to working effectively with the City and its many stakeholders. Steve truly cares about the overall success of the project, and isn't afraid to dig deeply into issues in order to achieve outcomes that are best for the City. It has been a true pleasure to date to collaborate with Steve on this project."

- Rick Chan, Senior Project Manager, Carollo Engineers

RELATED EXPERIENCE



Program Management - City of Lathrop's Wastewater Facilities

City of Lathrop, CA

EKI has served as the City of Lathrop's Program Manager for various improvement projects at the wastewater and recycled water facilities. EKI's work to date has included the following:

- Managed compliance actions for the City's Waste Discharge Requirements (WDR) permit, which permits the discharge of recycled water from the City's domestic wastewater treatment plant to parks, landscaping, and agricultural land.
- Coordinated eight consulting engineering firms and 15 developers on behalf of the City as it underwent a complex permit compliance process, prepared detailed project schedules, technical review of engineering documents, and interfaced with regulatory agencies.
- Secured a new WDR permit for the expansion of the membrane bioreactor (MBR) wastewater recycling plant (CTF Expansion Project and Five-Year Wastewater Capacity Project); performed design review on plant designs; and managed the process of securing eventual discharge of recycled water to the San Joaquin River.
- Assisted the City with implementation of the water softener ban, which was the first successful water softener ban in the Central Valley since 2001 legislation modified the process for implementing such bans in California.
- Performed other miscellaneous technical and managerial tasks for the City, including developing a salinity source study and source control implementation plan, updating the City's design and construction standards, assisting with the preparation of a wastewater rate study, and preparing Requests for Proposals for consulting services.
- Currently serving as Program Manager for the CTF Expansion Project and Five-Year Wastewater Capacity Project – expansion of MBR wastewater treatment plant from 1.0 mgd to 2.5 mgd. Role includes selection of engineer for the construction, coordination with stakeholders, management of three consultants and six developers, and technical review of engineering documents.
- Currently updating the City's Water System, Wastewater System and Recycled Water System Master Plan for the development of an Integrated Water Supply Master Plan. Tasks includes building hydraulic models, developing a capital improvement program for each system, conducting water supply reliability estimate, updating land-use specific water demand factors and wastewater flow generation factors, and developing a tracking tool to track water demands and wastewater flow generation rates relative to developer agreements.

PROJECT REFERENCE:

Steve Salvatore, City Manager

City of Lathrop
390 Towne Centre Dr
Lathrop, CA 95330
(209) 941-7491

EKI Project Team Members: Steve Tarantino, Program Manager; Nelson Schlater, Lead Technical Consultant; Dave Umezaki, Deputy Program Manager; Jonathan Sutter, Staff Engineer

Construction Cost / Program Budget:
\$25,000,000

Start and End Dates: 2014 – Ongoing

Project Percent Complete: 80%

RELATED EXPERIENCE

**PROJECT REFERENCE:**

Syed Murtuza, Public Works Director

City of Burlingame
501 Primrose Road, Burlingame,
CA 94010
(650) 558-7230

EKI Project Team Members: Steve Tarantino, Program Director

Construction Cost / Program Budget: \$39,000,000

Start and End Dates: 2002 – 2008

Project Percent Complete: 100%

Program Management - Water System Capital Improvements Program and Various Water System Projects

City of Burlingame, CA

Since 2002, EKI has been serving as Program Manager for the City of Burlingame's Potable Water System Capital Improvements Program (CIP). As Program Manager, EKI extends the resources of City staff by assisting with the establishment and monitoring of budget, cash flow, and expenditures relative to available funding of \$4.55 million per year. EKI manages a team of consultant engineering, design, and construction management firms, including preparation and maintenance of detailed project schedules, technical review of engineering documents, oversight of contract administration, and review of all change orders. EKI also serves as the City's representative during construction and is responsible for managing the public outreach program throughout the planning, design, and construction phases.

As part of its Program Management tasks, EKI provided the City of Burlingame the following services:

- Prepared the Water System Master Plan and 2009 Water System Master Plan Update.
- Assisted the City staff to develop a CIP to address fire flow, water quality, and aged infrastructure, including evaluated options for increasing storage, system consolidation, and pump station replacements.
- Developed demand models for the City to better evaluate alternative projects as well as provide on-going technical support for interface with the Bay Area Water Supply and Conservation Agency.
- Conducted preliminary assessment of groundwater production potential, including well rehabilitation and pumping test analysis.
- Prepared the City's 2005, 2010, and 2015 Urban Water Management Plans.

EKI's other water-related projects for the City has included the replacement of 100,000 feet of distribution mains, construction of a new pump station, the seismic upgrade of a 1-million-gallon storage tank, and the integration of a new Supervisor Control and Data Acquisition (SCADA) system.

RELATED EXPERIENCE



Program Management - Wastewater Treatment Plant Upgrades

Merced, CA

EKI served as Program Manager for the upgrade of the City of Merced's Wastewater Treatment Plant (WWTP). As Program Manager, EKI provided technical management, planning, designing and construction oversight services for three projects at the WWTP. The first two were for adding facilities to improve the WWTP performance in removing ammonia, and the third was to upgrade the plant to tertiary treatment and upgrade the solids handling facilities. As Program Manager, EKI was responsible for the following:

- Assisted the City with consultant selection and construction contractor pre-qualification and presentations to the City Council at study sessions and at Council meetings.
- Provided management of the State Revolving Fund loan process to obtain financing for the projects.
- Managed improvements including addition of an aeration basin, secondary clarifier, additional sodium hypochlorite feed system, improvements to the plant's electrical system, and addition of the supervisor control and data acquisition (SCADA) system, construction of a new headworks and influent pump station, the addition of disk filters and ultraviolet disinfection, a new outfall, and upgrades to the operations building.
- Managed the retrofitting of an existing digester gas-fired engine generator to meet San Joaquin Valley Air District's (Air District) regulation for full-time operation. A grant from the California Energy Commission (CEC) funded a portion of the program and EKI acted as a liaison between the Air District and CEC.
- Coordinated with the Regional Water Quality Control Board (RWQCB) regarding the potential impact, on the area's shallow groundwater, of the drying of digested sludge in unlined drying beds and the impact on the shallow groundwater of the land treatment of tomato cannery waste.
- Developed a groundwater monitoring management plan and performed groundwater quality assessments in several WWTPs, including the City's former sludge drying beds (SDBs), industrial wastewater treatment facility, and wildlife management area; and developed an initial conceptual model for soil and groundwater in the SDB area to guide discussions with RWQCB regarding improving groundwater quality, identifying data gaps, and planning for data collection activities.
- Worked with City and local tomato processing plant to address salts and organic carbon in the wastewater affecting the groundwater. Recommended improvements to wastewater management practices.

PROJECT REFERENCE:

Michael Wegley, District Engineer (former Deputy Director of Public Works for Merced)

Marina Coast Water District
11 Reservation Road
Marina, CA 93933-2099
(831) 883-5925

EKI Project Team Members: Steve Tarantino, Program Director

Construction Cost / Program Budget: \$15,000,000

Start and End Dates: 2001 – 2015

Project Percent Complete: 100%

RELATED EXPERIENCE

**PROJECT REFERENCE:**

**James McCann, City Manager
of Mill Valley (former Calistoga
City Manager)**

26 Corte Madera Avenue
Mill Valley, CA 94941
(415) 388-4033

EKI Project Team Members: Dave
Uzemaki, Program Manager;
Steve Tarantino, Project Manager

**Construction Cost / Program
Budget:** \$3,500,000

Start and End Dates: 2000 – 2009

Project Percent Complete: 100%

Design and Program Management - Water System Improvements Calistoga, CA

As part of EKI's role as Program Manager, the team provided design and construction management services for the Kimball Water Treatment Plant (WTP) and Kimball Reservoir Improvement Projects for the City of Calistoga. These projects, funded by the United States Department of Agriculture's (USDA's) Rural Development Program, included performing clarifier and filter modifications at the City's WTP to improve particle removal, therefore improving reliability of the treated water pump station through pump replacement; and replacement of approximately 14,000 lineal feet of water conveyance pipeline. EKI also evaluated alternative processes for a proposed water treatment process aimed at removing arsenic and antimony from geothermal well water at the City's Fiege Well Site.

In addition, EKI performed the following:

- Assisted the City in securing planning, design, and construction funding from the USDA Disadvantaged Community Program.
- Coordinated with the City's legal counsel, bond counsel, and financial advisors to bring together all portions of the funding application package within the appropriate timeframe.
- Provided program management and engineering design services to implement safety improvements on the Kimball Reservoir spillway, improve efficiency of existing flocculating clarifier, provide redundancy for existing dual-media filtration system, provide redundancy for existing process pumps, and upgrade existing online water quality monitoring systems to comply with current regulatory requirements.
- Assisted in preparation of necessary environmental documents and permit applications.
- Provided conceptual engineering services to evaluate improvements to the existing spent backwash water system to provide flexibility in recirculation rates (project component was eliminated by City due to funding constraints).
- Provided construction management services including full-time field observation, contract management, submittal review, response to RFIs, and change order negotiations.

EKI is currently assisting the City with the scoping and preliminary design for geothermal flow metering project at three existing spa facilities. EKI also assisted the City with miscellaneous issues related to the City's wastewater treatment plant, including performing an evaluation of the plant's solids handling operations and equipment, and securing funding from the USDA.