

# Attachment 4 - Example Project

## PROJECT TEAM

## SECTION 4: FIRM EXPERIENCE

EKI provides comprehensive engineering services from program management and planning to engineering, design, and construction management for public and private utilities including potable water, wastewater, recycled water, and storm water utilities. Our team is experienced in review and prioritization of CIPs and establishing project prioritization criteria that address human safety, water supply reliability, aging infrastructure and needs for future growth.

Our engineers' experience providing technical management, planning, designing and construction oversight services for wastewater treatment plant (WWTP) improvements such as new aeration basins, secondary clarifier, additional sodium hypochlorite feed system, electrical system improvements, addition of the supervisor control and data acquisition (SCADA) system, new headworks and influent pump station, the addition of disk filters and ultraviolet (UV) disinfection, new outfall, and upgrades to the operations buildings, will be valuable to your project. Our capabilities also include developing tracking tool to track water demands and wastewater flow generation rates relative to developer agreements, assisting with wastewater rate studies, regulatory agency interaction and grant funding assistance and management.

Our team's recent wastewater experience related to this project in California is summarized in the table below. Detailed relevant experience of our team is presented at the end of this section.

CLIENT/PROJECT	Master Plan	Hydraulic Model/Analysis	CIP Development/ Prioritization	Program Management	Design/Design Review	Construction Oversight	Coating Inspection	Regulatory Agency Interface	Facility Expansion/ Upgrade	Permitting Assistance	Grant Funding Assistance/Management
<b>CITY OF LATHROP</b> <ul style="list-style-type: none"> <li>Wastewater and Recycled Water Program Management</li> <li>MBR wastewater treatment plant Expansion</li> <li>Five-year Wastewater Capacity Project</li> <li>Integrated Water Supply Master Plan</li> </ul>	●	●	●	●	●			●	●		
<b>CITY OF MERCED</b> <ul style="list-style-type: none"> <li>Wastewater Treatment Plant Performance Improvement Projects</li> <li>Wastewater Treatment Plant Tertiary Treatment and Solids Handling Facilities Upgrades</li> <li>Wastewater Treatment Related to Tomato Processing Plant</li> </ul>				●	●	●		●	●	●	●
<b>CITY OF BRISBANE</b> <ul style="list-style-type: none"> <li>Sewer System Master Plan Update</li> </ul>	●	●	●								
<b>CITY OF SAN FRANCISCO</b> <ul style="list-style-type: none"> <li>Southeast and Oceanside WWTP</li> </ul>							●				
<b>ORO LOMA SANITARY DISTRICT</b> <ul style="list-style-type: none"> <li>Oro Loma Water Pollution Control Plant</li> </ul>							●				

Project management and engineering services will be performed in EKI's corporate headquarters located at 577 Airport Blvd., Suite 500 in Burlingame, California, less than eight miles from the City's Engineering Office and ten minutes away from plant and pump station facilities.

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## FIRM EXPERIENCE



### Gloria Way Iron and Manganese Groundwater Treatment System and Pad D Municipal Supply Well East Palo Alto, CA

Eki is providing technical and design services to the City as part of the implementation of the City's groundwater projects, including the rehabilitation of the Gloria Way well and construction of the Pad D well. We have:

- Performed design services for the construction of a municipal supply well and above ground disinfection and distribution components at the Pad D well site.
- Conducted a hydrogeologic investigation and installation of a well in support of the Pad D well design. The investigation included test well design and construction, aquifer testing, water quality sampling, groundwater modeling, preliminary design and cost estimation.
- Prepared design documents for a manganese treatment system at the existing Gloria Way Well in the City.
- Assisted with permitting of the Gloria Way Well and Pad D Municipal Supply Well.
- Updated the City's water system hydraulic model to include the two groundwater wells.



We assisted the City in securing \$1.5 million dollars in Proposition 84 grant funding to support the City in its conjunctive groundwater use and management efforts. Grant funds will be used for design and construction of the Gloria Way Well Project, and design of the Pad D Well Project.

We also reviewed and developed a prioritization of the various CIPs and established project prioritization criteria that addressed human safety, water supply reliability, as well as those addressing aging infrastructure and needs for future growth.

**REFERENCE:** Kamal Fallaha, Director Of Public Works  
960 Tate Street, East Palo Alto, CA 94303  
(650) 853-3117

**DATE OF SERVICES:** 2014 to present

**CONSTRUCTION COST:** \$3.1 million



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### FIRM EXPERIENCE



### **Digester Improvements and FOG/Food Waste-to-Energy (F2E) Facility Project** **Central Marin Sanitation Agency, CA**

With a previous employer, Mr. Schlater designed and provided multidiscipline coordination of construction documents for digester improvements, which consisted of new digester membrane covers; digester pump mixing; digester gas sulfide removal; and FOG/F2E facilities. FOG/F2E facilities consisted of a collection tank with mixing system, and an equipment bay with pumping and conditioning equipment. Processed FOG/food waste is conveyed to the digesters which will increase digester gas production and corresponding digester energy production via the existing cogeneration system.

**REFERENCE:** Chris Finton, Treatment Plant Manager  
130 Anderson Drive, San Rafael, CA 94901  
(415) 459-1455 x 101

**DATE OF SERVICES:** 2011 - 2013

**CONSTRUCTION COST:** \$5 million



### **Oro Loma Water Pollution Control Plant** **Oro Loma Sanitary District, San Lorenzo, CA**

BACC has been providing failure analysis, specifications, coating and lining inspection and consulting services on a yearly basis for over twelve years (annual contract). The project involves six clarifiers, four digesters, head works, wet wells. The District has not experienced a cost overrun or failure since employing BACC.

**REFERENCE:**  
Jimmy Dang, Engineering Manager  
2655 Grant Avenue, San Lorenzo, CA 95073  
(510) 481-6981

**DATE OF SERVICES:** 2006 - Present

**CONSTRUCTION COST:** Varies



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## FIRM EXPERIENCE



### **Southeast and Oceanside WWTPs** **City of San Francisco, San Francisco, CA**

BACC has completed numerous projects for the City of San Francisco over the past 19 years including the ongoing work at the Southeast and Oceanside plants. BACC has provided coating and lining inspection, failure analysis, coating surveys and consulting. Completed projects include reservoir linings and coating inspection, pipeline inspection, inspection of penstocks and water and wastewater treatment plants and failure analysis. Facilities include six steel tanks, wastewater treatment plants, three digesters, fourteen clarifiers, contact basins and outfalls.

#### **REFERENCE:**

Elmer Cheung, PE,  
875 Stevens Street, San Francisco CA 94103  
(415) 551-4668

**DATE OF SERVICES:** 1999 - Present

**CONSTRUCTION COST:** Varies

### **Fresno/Clovis Regional Wastewater Facility** **City of Fresno, Fresno, CA**

BACC has been providing failure analysis, specifications, inspection and consulting services on a yearly basis for over twenty years. Facilities include three clarifiers, five digesters, head works, and dafts. The City has not experienced a cost overrun or failure since employing BACC.

#### **REFERENCE:**

Kevin Nogard/Orlando Gonzalez, Engineering Manger  
5607 Jensen Avenue, Fresno, CA 95073  
(559) 621-5216 or (559) 621-5297

**DATE OF SERVICES:** 1998 - Present

**CONSTRUCTION COST:** Varies