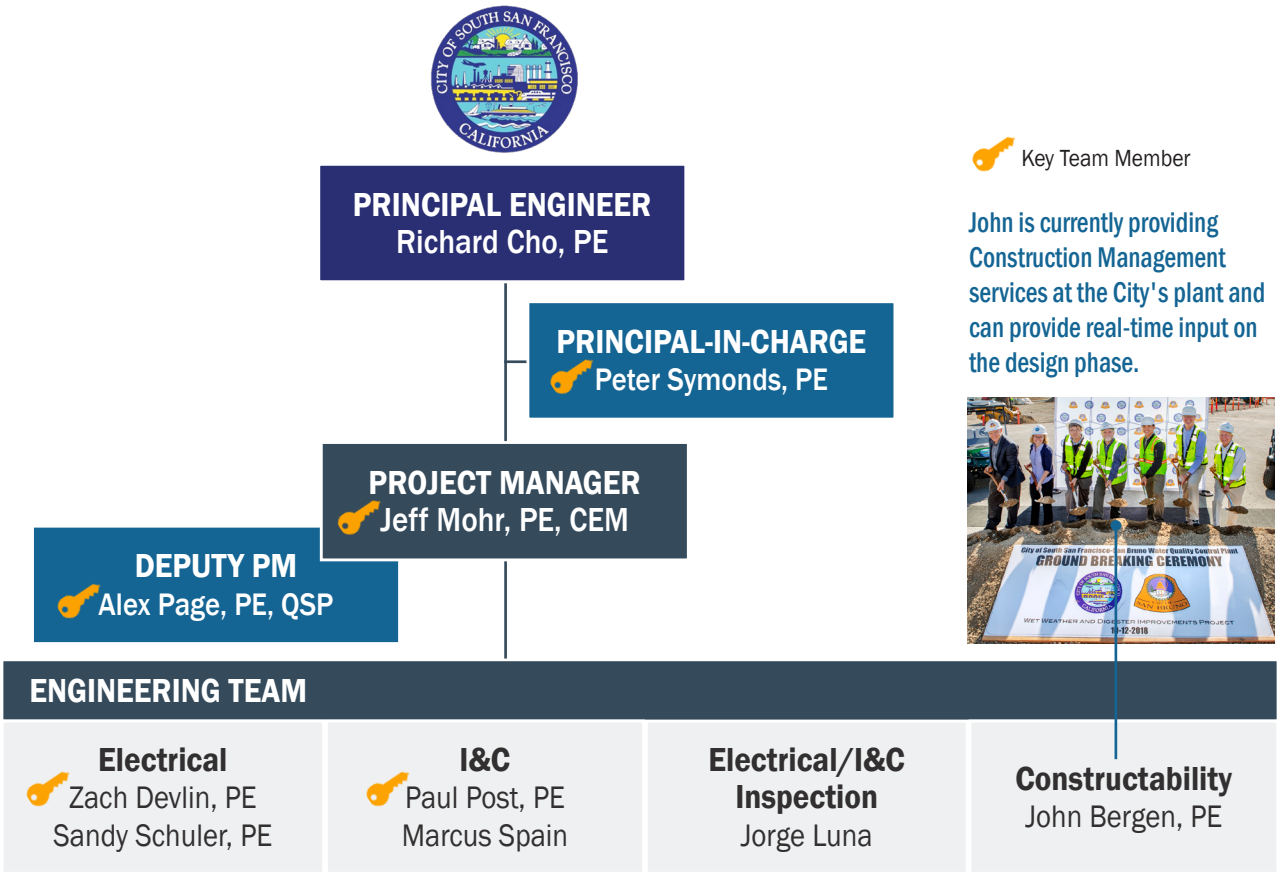
PROJECT TEAM AND KEY STAFF

AN EXPERIENCED DESIGN TEAM ORGANIZED FOR EFFICIENT DELIVERY, STEAMLINED COMMUNICATION, AND ACCESS TO ESSENTIAL EXPERTISE AND RESOURCES

The most effective tool for keeping the project on schedule is collaborative communication, established relationships, and building a high performing team among all project participants.

Kennedy Jenks leverages the experience of our staff to deliver the project on time and within budget. Our Project Manager, Jeff Mohr, has practical experience managing teams to provide innovative and cost-effective solutions to meet project objectives. Jeff will be supported by specialists with extensive EI&C expertise to successfully complete your project within budget and on schedule. Our team organization is illustrated below, and resumes for key staff follow.



Why the Kennedy Jenks Team

- **An experienced Project Manager** who brings over 20 years of experience managing large electrical generator installation projects and electrical equipment replacements on existing facilities, while maintaining continuous operation during the construction process.
- **Parts of our team are already on site.** We will leverage our construction team to streamline interfaces and coordination of ongoing work to especially support maintenance of plant operation during construction.
- **Our team is local and has worked on neighboring facilities.** Our team have and continue to design electrical improvements for facilities nearby. This ongoing work enables us to design with a better understanding of the construction cost impacts.

PROJECT TEAM AND KEY STAFF

Employed by

Kennedy Jenks Consultants

Years of experience with Kennedy Jenks/ other firms

1/19 (over 20 years total)

Education

BS, Electrical Engineering, California Polytechnic State University, 1998

Registrations

Professional Electrical Engineer, CA (2009), CO (2015), NM (2015), NV (20182), OR (2012), WA (2011), ND (2014), TX (2015), AK (2013)

Last 5 years to present

Firm: Kennedy Jenks

Office location: Pasadena, CA (60 minute flight)

Time period at location: 8 months

Previous employment/time period: MWH (Stantec) May 2016-May 2018, Montgomery Watson Harza Jan. 2014-May 2016

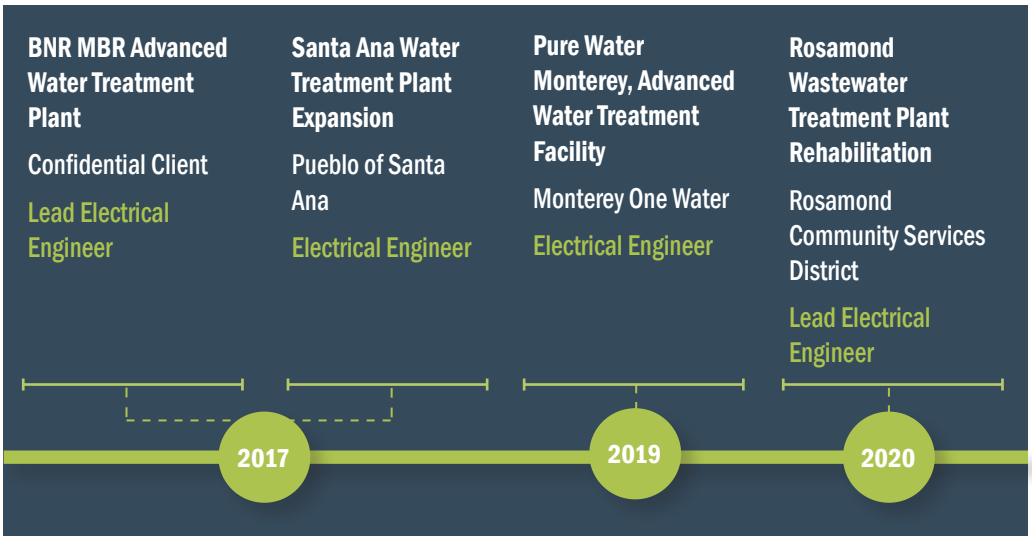
JEFF MOHR, PE, CEM

Project Manager

Jeff will be the primary day-to-day point of contact, engaged in managing and performing the required engineering services. He oversee and direct the project, and track specific project milestones and objectives to ensure assignments stay on task, and the budget and schedule are met.

Jeff has over 20 years of experience in the design and construction administration of power, control, and instrumentation systems for various water and wastewater projects. His designs have included low- and medium-voltage power generation and distribution systems, variable frequency drives, indoor and outdoor lighting, solid state power system monitoring and protection, hardwired relay and programmable logic controller (PLC) control systems, and various data acquisition and other instrumentation systems. **Jeff has managed several large electrical generator installation projects and electrical equipment replacements on existing facilities, while maintaining continuous operation during the construction process, improving electrical safety and optimizing existing facilities to save construction costs.**

Representative Experience



Get To Know Kennedy Jenks' Project Manager

You joined Kennedy Jenks less than a year ago. Why did you choose Kennedy Jenks?

I wanted to be happy at work. Specifically, I wanted to be employed at a firm that had a family-like culture centered on the success of its employees, which flows into clients getting the best service and solutions because the people are energized and excited to be a part of something so great. Kennedy Jenks has allowed me the best balance between work and life, applying my technical expertise while fostering close client relationships.

What excites you about this project for the City of South San Francisco?

The biggest challenge this project presents is finding the most economical solution to the construction sequencing such that the plant remains online. This project is electrical in nature but an exciting component is working with plant operations staff to determine proper scheduling of downtime such that interruptions to the plant are kept at a minimum. Pairing our electrical experience with plant operators expertise will be the driving factors for the project's success. Accomplishing the project goals with our proposed approach is an exciting challenge that I look forward to accomplishing collaboratively with the City and the Kennedy Jenks team.

PROJECT TEAM AND KEY STAFF

Rosamond Wastewater Treatment Plant Rehabilitation, Rosamond, CA | Ongoing

The project scope includes the expansion of the facilities aeration system and associated equipment to bring this WWTP back online to serve Rosamond Community. The existing plant is being expanded from 0.5 MGD to 1.27 MGD. Tasks include analyzing the existing 750kW optional standby generator to determine if it's sufficient to supply backup power for the overall expansion and then engineer solutions that provide the client the most reliability and flexibility while optimizing costs. **As the lead electrical engineer for Kennedy Jenks, Jeff is responsible for the electrical design.**

Owner
Brach Smith
Rosamond Community Services District
3179 35th Street West
Rosamond, CA 93560
(661) 256-3411

Pure Water Monterey Advanced Water Treatment Facility, Monterey, CA | Ongoing

The Advanced Water Treatment Facility was designed to receive two power feeds through its 21kV Main-Tie-Main switchgear. To meet construction schedules, the 21kV primary service was coordinated with Pacific Gas & Electric (PG&E). The design of the alternate 21kV power supply from Waste Management District is currently being finalized and coordinated with PG&E. The final power distribution arrangement will provide the client with a reliable power distribution system while optimizing energy usage costs. Construction is estimated to be complete in June 2019. **As the electrical engineer for Kennedy Jenks, Jeff's responsibilities included assisting the team with engineering services during construction and coordinating the incoming electric utility service with PG&E.**

Owner
Bob Holden
Monterey One Water
14811 Del Monte Blvd.
Marina, CA 93933
(831) 883-6132

Santa Ana Wastewater Treatment Plant, Pueblo of Santa Ana, NM | 2017

This MBR plant design/build project included the design of electrical infrastructure to support a new Headworks Facility, Anoxic Basins, Pre-Aeration Basins, MBR Basins and Dewatering/Solids Handling Systems for the Pueblo of Santa Ana WWTP. Tasks included utility coordination, design and preparation of single line diagrams, electrical control schematics, a standby emergency generator system, access control system and modifications to the existing SBR facility to accommodate the process changes to the facility. MBR process includes installation of pumps and blowers requiring variable frequency drives and a 100A harmonic filter was designed for harmonic mitigation. Design was tailored to minimize downtime to the existing plant and maintain plant operations. **Working for MWH (now a part of Stantec), Jeff was the lead electrical engineer for the design/build task for the MBR plant.**

Owner
Kevin Montoya
Pueblo of Santa Ana
1518 Chenna Road
Santa Ana Pueblo, NM 87004
(505) 206-6435

Biological Nutrient Removal (BNR) Membrane Bioreactor (MBR) Advanced Water Treatment Plant, Hillsboro, OR | 2017

The double ended 4.16kV feeders were distributed around the site to the six (6) double-ended substations varying in size from 1MVA to 3MVA. A 3MVA emergency generator system (expandable to 6MVA) was designed to interface with the Main Plant Switchgear with paralleling capabilities. This approach was to meet the very strict uptime requirements for the facility such that it could meet its stringent discharge requirements. Electrical design elements also included Medium Voltage Motor Control Centers, Low Voltage Switchgear, Low Voltage Motor Control Centers, Variable Frequency Drives, Panelboards and Dry-Type Transformers, including Cast Coil transformers. **Working for MWH (now a part of Stantec), Jeff was the lead electrical engineer and designed the electrical distribution system tieing into the clients 35kV switchgear and bringing a double ended power feed to two (2) 15/20/25MVA 34.5-4.16kV liquid filled transformers.**

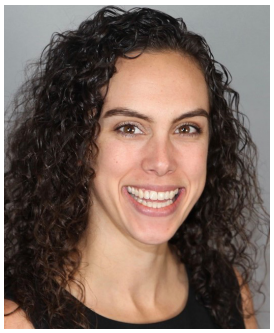
Owner
Confidential Client

Schedule of Commitment

Jeff has the availability for this project and will be commited to its success. The table to the right includes his current projects and their duration.

Project/Owner	2019	2020
Food Waste Facility Orange County Sanitation District	design — construction	
Well 59 Treatment Facilities Eastern Municipal Water District	design — construction	

PROJECT TEAM AND KEY STAFF



ALEX PAGE, PE, QSP

Deputy Project Manager

Alex's responsibilities include scheduling, planning and holding coordination meetings, internally and externally, preparing agendas and minutes in coordination with Jeff, reviewing project budget status, work complete, and drafting status updates, and maintaining and updating the project Decision log in support of Jeff.

Alexandria (Alex) Page is an environmental engineer and registered Professional Civil Engineer with six years of experience in the planning, design, and construction management of potable, non-potable, and tertiary water projects throughout California. She has contributed to successful planning and feasibility studies, engineering design, construction inspection and management projects involving various infrastructure, including pump stations, pipelines, and treatment facilities. As an environmental engineer, Alex has a distinct perspective of understanding the environmental impacts of projects and serves an integral role in providing insight to teams from planning through construction.

Employed by

Kennedy Jenks Consultants

Years of experience with Kennedy Jenks/ other firms

3/3 (6 years total)

Education

BS, Environmental Engineering, California Polytechnic State University, 2013

Registrations

Professional Civil Engineer, California (2016)

Last 5 years to present

Firm: Kennedy Jenks

Office location:

Santa Clara, CA

Time period at location:

3 years

Previous employment/time period:

The Covello Group 2013-2016

Pure Water Monterey Groundwater Replenishment Project, Advanced Water Treatment Facility And Pump Station, Phase 5 Final Design | Ongoing

Served as the Project Engineer during the construction of this $50M Advanced Water Purification Facility (AWPF). The Monterey One Water AWPF will provide 5 mgd of purified water to be injected into the Seaside Groundwater Basin for recharge. During construction, coordinated and/or provided submittal reviews, responded to Requests for Information (RFIs), and design clarifications. Was the main point of contact with PG&E,and worked to coordinate the construction and energization of the AWPF's 21kV Switchgear. Project work included coordination with technical subcontractors and the construction manager. **Role: Deputy Project Manager/Project Engineering for ESDC with Kennedy Jenks.**

Denniston Treated Water Pump Station And Transmission Pipeline - CM & Engineering Services During Construction, Half Moon Bay, CA | 2017

Performed as both the Construction Manager and on-site Inspector for this $3.7 million project. This project included the installation of over 1,000-feet of ductile iron pipe and the construction of a new treated water pump station. Construction of the pump station include concrete pile driving, CMU Masonry Construction, and the installation and start-up of two vertical turbine pumps. **Role: Construction Manager and Inspector with Kennedy Jenks.**

48-Inch Force Main Reliability Improvements Project: Unit 1 – Maple Street To Bair Island, Redwood City, CA | 2014

Project Engineer for this $17.2 million project. This project is one of four units in a larger program to replace 2.5 miles of existing sanitary sewer force main. Unit 1 replaced the older failing pipeline segment with approximately 3,300 linear feet of 48-inch HDPE pipeline between Redwood City and San Carlos pump stations. The project installed over 1,000 linear feet below grade using shored open-trench construction methods and 2,300 linear feet via microtunneling construction methods. This program required substantial public outreach, sequencing, and coordination. **Role: Project Engineer with The Covello Group.**

Drying Beds Improvement Project, Redwood City, CA | 2016

Project Engineer for this $3.7 million project. The scope included soil stabilization via lime treatment, 13.5 acres of reinforced concrete placement, 12-in diameter HDPE process pipe installation in soft clay soil (Bay Mud), installation of decant structures, 65-ft sheet pile driving, installation of a 28-ft deep decant pump station, pump programming and start-up. **Role: Project Engineer for engineering services during construction with The Covello Group.**

PROJECT TEAM AND KEY STAFF

PETER SYMONDS, PE

Principal-in-Charge

Peter will provide creative and innovative perspectives as part of our Quality Assurance and Quality Control process to deliver high value additional benefits through collaboration and a broad spectrum of technical review. He will hold regular meetings with Jeff to confirm that the project is moving forward in a timely manner and the project is on budget.

Peter is a civil engineer whose primary area of experience is in structural analysis and design of buildings and tank structures in earthquake regions. His experience includes analysis, design and rehabilitation of water containing structures subjected to static and hydrodynamic loads, notably from earthquakes. His experience also includes steel, concrete, wood and concrete masonry and composite building and non-building structure design for single and multistory buildings. He has performed detailed modeling of complicated structures for tanks and buildings, including nonlinear time-history analysis of structures under earthquake loading. He has written several of the guide specifications used by Kennedy Jenks and manages the technical development program for the structural group.

Employed by

Kennedy Jenks Consultants

Years of experience with Kennedy Jenks/ other firms

14/0 (14 years total, all at Kennedy Jenks)

Education

BS, Civil Engineering, University of California, Berkeley, 2003

MS, Civil Engineering, University of California, Davis, 2004

Registrations

Professional Engineer, CA (2007), WA (2008), OR (2011), NV (2011), SD (XXXX), TX (2014)

Last 5 years to present

Firm: Kennedy Jenks

Office location: Walnut Creek, CA

Time period at location: 14 years

Primary Sedimentation and Electrical Rehabilitation, Palo Alto, CA | Ongoing

Kennedy Jenks is currently rehabilitating the Primary Sedimentation Tanks (PSTs) and the Top-Deck electrical infrastructure for the City of Palo Alto, consisting of Motor Control Centers (MCCs) E, F, and G to address system failures, partial process outages and high maintenance attention. Electrical design involved extensive planning to maximize uptime for each system, which led to an 8-step sequencing plan to place and prepare distribution equipment for transition with a minimum of disruption. **Role: Structural Discipline Lead with Kennedy Jenks.**

WWTP Reliability Improvements, Redwood City, CA | 2017

For this reliability improvement project involving design of process improvements, new MCC's and VFD's for pumps and blowers, new instrumentation and controls. **Role: Structural Designer with Kennedy Jenks.**

Filter Rehabilitation and Electrical Upgrades, San Jose, CA | Ongoing

The Filter Rehabilitation Upgrades will repair and rehabilitate the largest filtration tertiary system in the U.S., which is designed to treat an average of 167MGD and a peak of 271MGD. This $33M improvement will deliver $4.95M of services encompassing condition assessment, design and construction-phased services to extend the useful service life of the entire tertiary system comprising the filter influent pump station (FIPS), secondary FIPS, 16 dual-media filtration batteries, filter building, backwash storage and treatment, chlorine contact basins for disinfection, and auxiliary equipment and systems. **Role: Structural Designer with Kennedy Jenks.**

Pleasant Grove Wastewater Treatment Expanion, Roseville, CA | 2018

This $50M expansion project will add four primary clarifiers, two gravity belt thickeners, sludge thickening building, two anaerobic digesters, digester control building, and auxiliary systems, controls and process piping. The project will be delivered under a design-assist procurement and includes services for planning, design, contractor procurement, and engineering services during design. **Role: Strutural Designer with Kennedy Jenks.**

PROJECT TEAM AND KEY STAFF

ZACH DEVLIN, PE

Electrical

Zach will lead the electrical design effort and will serve as engineer of record. He will work in close coordination with the I&C design team and City operations staff to deliver an accurate and comprehensive set of construction documents that will accomplish the City's objectives.

Zach has 13 years of electrical engineering experience. His background includes design of electrical projects for water and wastewater treatment plants, pumping stations, and hydropower generating stations, including new construction and rehabilitation of existing facilities.

Employed by

Kennedy Jenks Consultants

Years of experience with Kennedy Jenks/ other firms

0.2/12 (13 years total)

Education

BS, Electrical Engineering, University of Nevada Las Vegas, Las Vegas, Nevada, 2006

BA, Computer Science, University of Nevada Las Vegas, Las Vegas, Nevada, 2006

MS, Arizona State University, Tempe, Arizona, 2011

Registrations

Professional Engineer, CA (2015), MN (2015), ID (2015), UT (2015), MO (2012), NV (2010), AZ (2015), HI (2010)

Last 5 years to present

Firm: Kennedy Jenks

Office location:

Henderson, NV

Time period at location: 2 months

Previous employment/time period:

MWH (Stantec), Las Vegas, NV, 2015-2018

Black & Veatch, Kansas City, MO, 2012-2014

Plant 2 Consolidated Demolition and Utility Improvements, Orange County, CA | 2017

Evaluation of several existing unused facilities at OCSD's Plant 2. Construction sequencing for demolition was developed, including re-feeding several motor control centers from alternate sources, and demolishing unused digester, clarifier, and pump station equipment. Construction of a new utility building to house three 125hp plant air compressors, and a 125kVA regional UPS system to replace several separate smaller systems spread throughout the plant. **Role: Lead Electrical Engineer while employed at MWH (Stantec).**

Digester Gas Utilization Upgrade, San Francisco, CA | 2017

The project consisted of replacement of two existing 550 kW digester gas cogeneration units with three new 600 kW units, relocating an existing boiler system, as well as replacement of the digester gas conditioning system. The project involved upgrades to protective relaying to comply with utility interconnection requirements. Zach produced drawings and specifications. **Role: Lead Electrical Engineer while employed at MWH (Stantec).**

Garnet Valley Water System, NV | 2017

Portable water system consisting of three wells, and two 2MG steel reservoirs, and all associated instrumentation and controls, and power distribution equipment. Each well site was provided with a 450hp 4160V submersible pump motor, iron removal treatment system, and a chlorine dosing system. One well site was provided with a 1000 kW 4160V diesel generator to provide standby power. **Role: Lead Electrical Engineer while employed at MWH (Stantec).**

Digester Condition Assessment and Rehabilitation, Las Vegas, NV | 2016

This project included an evaluation of twelve anaerobic digesters and subsequent development of a detailed design to correct various operational difficulties and repair and replace aging and failing components. The project included replacement of sludge and hot water pumps, installation of a pumped mixing system, modifications to several existing motor control centers, and design of three new motor control centers. **Role: Lead Electrical Engineer while employed at MWH (Stantec).**

PROJECT TEAM AND KEY STAFF

PAUL POST, PE

I&C

Paul will be responsible for the Instrumentation and Controls (I&C) portion of the project.

Paul recently joined Kennedy Jenks from Carollo Engineers, bringing over 25 years electrical and electronics engineering experience. He has worked in the water/wastewater industry since 2002, and his background offers an outstanding combination of consulting, design, testing, and manufacturing experience. In addition to water/wastewater industry consulting, he has worked as an electrical engineer for a water/wastewater controls systems integrator, an elevator controls company, and a manufacturer of electronic payment terminals. With the primary goal of delivering projects in a timely manner, Paul offers a comprehensive approach that ensures successful projects and satisfied customers. Paul is proficient in low voltage switchgear, standby generator systems, variable frequency drives, motor control systems, PLC controls, instrumentation, interconnection diagrams, and testing plans. He is skilled at analyzing complex functions, procedures, and problems to find creative, logical, and effective solutions. He is experienced with numerous facets of engineering concepts, products, control processes, instrumentation, and practices and procedures within the industry. He has designed and reviewed interconnection diagrams, PLC control systems, testing plans, startup plans, and cost proposals.

Employed by

Kennedy Jenks Consultants

Years of experience with Kennedy Jenks/ other firms

0.2/25 (over 25 years total)

Education

BS, Electronic Engineering, California State University, Sacramento, 1992

Registrations

Professional Electrical Engineer, CA (2003)

Last 5 years to present

Firm: Kennedy Jenks

Office location:

Rancho Cordova, CA

Time period at location: 2 months

Previous employment/time period:

Carollo Engineers, Sacramento, CA, 2015-2018

Frisch Engineering, Folsom, CA, 2005-2015

Pump Station Condition and Performance Assessment, Sacramento, CA | 2015

Participated in a detailed evaluation of six pumping stations for safety, efficiency concerns, cost of maintenance, reliability and good neighbor criteria. As part of the Carollo assessment team, performed in-field condition assessments to identify deficiencies at each pump station. Conducted the electrical and controls portion of an evaluation to recommend four alternatives for each pump station. **Role: Electrical Engineer while at Carollo Engineers (Carollo).**

Echo Water - Tertiary Treatment Facilities, Sacramento, CA | 2018 (Design Complete)

This $400 million Tertiary Treatment Facilities Project (TTF) provided filtration and disinfection of secondary effluent to a level equivalent to Title 22 requirements for tertiary disinfected recycled water for unrestricted reuse. Tertiary facilities include a 330-mgd filter influent pump station, 217 mgd of granular media filters, backwash equalization and treatment, chemical feed systems, covered disinfection contact basin, and a new area control center. **Role: Instrumentation and Control Engineer while at Carollo.**

Echo Water - Project Return Activated Sludge Pumping Project | 2018

This $40 million project will replace existing RAS pumps with new pumps designed to deliver the higher flow and head conditions required by the new BNR process. The RAS pumping system will have a capacity of over 200 mgd and includes 48 pumps located at 24 secondary sedimentation tanks. **Role: Instrumentation and Control Engineer while at Carollo.**

Wells 275 and 294, CWSC, Dominguez, CA | 2014

The project included a 50-hp well pump, strainer, air stripper, gas scrubber, ion exchange system, brine system, chemical feed system, 480-VAC switchgear with automatic transfer switch and power distribution, motor control center, and solid state soft starters used for the 50-hp well pump and 30-hp air stripper blowers. **Role: Electrcal Engineer at Frisch Engineering.**