

Design Services Request For Proposal Activity - November 2018

Project Name	Mail PSA RFP	Project Manager	Scope	Construction Estimate
P1-132 Uninterruptable Power Supply Improvements at Plant 1	Nov-2018	Todd Waltz	This project will add a regional Uninterruptable Power Supply (UPS) in the northwest portion of Plant 1. The UPS will supply power to Power Distribution Buildings 4, 7 and 8, maintenance buildings, primary clarifiers, any other users requiring UPS in the area. Also, included in the project is the installation of power distribution units for facilities to be fed from the Sludge Dewatering and Odor Control UPS. The project will also determine if the UPS will supply power to the laboratory building.	\$2,400,000
P1-133 Primary Clarifiers 6-31 Reliability Improvements at Plant No. 1	Dec-2018	Valerie Ratto	Increase the operating reliability of the rectangular primary clarifiers at Plant No.1 by modifying the Primary Influent Splitter Box (PISB) to increase hydraulic capacity upstream of the facilities. Improvements will also be made to the Microfiltration Backwash Waste piping that currently discharges to PISB, allowing it to be discharged to the effluent side of the primary clarifiers. Additional primary sludge pumps will be added to allow sludge removal from all of the primary clarifiers in lieu of using basins for sludge thickening. Leaky pipe joints in the 90 & 108 inch primary effluent pipes will also be repaired.	\$12,300,000
J-98 Electrical Power Distribution System Improvements	Jan-2019	Todd Waltz	This project provides various electrical distribution system improvements at Plant Nos. 1 and 2, as recommended by the J-25-4 project study, which are needed based on equipment condition and age, insufficient equipment ratings, grounding safety, non-compliance with the National Electrical Code (NEC) requirements, and electrical configuration reliability. This includes replacing electrical that is at the end of its useful life, modifying the electrical system configurations to improve reliability and support maintenance, replacing electrical cables and equipment that are not properly sized, and adding surge protection to protect equipment.	\$20,000,000
P2-125 Perimeter Screening at Plant No. 2	Jan-2019	Shahrzad Namini	This project will install landscaping or other appropriate line-of-sight barriers to minimize the visual impact on neighbors and traffic on Pacific Coast Highway and Brookhurst street. The work is expected to include construction of a berm along the south perimeter and additional landscaping on the berm and along the Brookhurst perimeter.	\$1,300,000
5-68 Newport Beach Pump Station Odor Control Improvements	Apr-2019	Valerie Ratto	This project will address the ventilation issues that causes odorants to migrate to unwanted areas at the Newport Beach collections system pump stations. It will also provide odor control at selected pump stations and gravity lines in the Newport Beach collections system.	\$2,000,000
3-67 Seal Beach Pump Station Replacement	May-2019	Un-Assigned	This project will replace the existing Seal Beach Pump Station on the existing site and demolish the old pump station when the new one is complete. The new pump station will have a deeper wet well to allow gravity flow from the future extension of the Los Alamitos Sub-Trunk from the West Side Pump Station to the Seal Beach Pump Station, thus allowing the West Side Pump Station to be abandoned. Extension of the Los Alamitos Sub-Trunk and abandonment of the West Side Pump Station is budgeted under Los Alamitos Sub-Trunk Extension, Project No. 3-68. The project will also include odor control improvements of vapor-phase and liquid-phase treatment at the pump station to minimize both upstream and downstream odors and corrosion.	\$42,700,000
P2-126 Plant 2 Warehouse Relocation	Jul-2019	Sharon Yin	The project will construct a replacement for the existing warehouse located in the southwest corner of Plant 2, which must be demolished to accommodate the proposed Temperature Phased Anaerobic Digestion facilities.	\$5,300,000
7-65 Gisler - Red Hill Interceptor Rehabilitation	Jan-2020	Todd Waltz	This project will rehabilitate the Gisler Redhill Interceptor from a diversion manhole near the Main Street Pump Station to the College Avenue Pump Station. The project is expected to line or repair 38 manholes and approximately 15,000 feet of VCP sewer in Costa Mesa.	\$8,600,000
P2-128 TPAD Digester Facility at Plant 2	Jan-2020	Sharon Yin	This project is the largest of a set of related projects to replace the mesophilic anaerobic digesters at Plant 2 with new digesters in a temperature-phased anaerobic digester (TPAD) configuration. This project will include six new thermophilic digesters, batch tanks, cooling facilities, and associated sludge pumping, digester mixing, power distribution, and controls. Replacement and demolition of existing digesters will be included in a separate project.	\$265,100,000

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P2-120 Banning Gate Relocation and Grading at Plant 2	Mar-2020	Sharon Yin	This project relocates the Plant No. 2 vehicular gate near Banning Avenue to align with Banning Avenue. This includes moving the gate and supporting infrastructure such as the wall, curb, gutter, and sidewalk. It will also re-grade the pavement in Plant No. 2 in this area to improve drainage and storm water flow.	\$1,400,000
J-120 Process Control Systems Upgrades	Jul-2020	Richard Birdsell	This project will upgrade the existing Supervisory Control and Data Acquisition (SCADA) Systems for the treatment plants and pump stations which includes Human Machine Interface (HMI) hardware and software, SCADA servers, historian, and a select number of Programmable Logic Controllers (PLCs). These improvements will replace the existing obsolete HMI systems, databases and software programs, which includes trending, diagnostic data, monitoring, control, alarming and reporting. PLCs not replaced under this project will be replaced as part of future projects. This project will develop SCADA programming standards, templates, programming methodologies, tools, and databases and will develop standards for SCADA networking and control panels. Project also includes the replacement of the existing fiber optic system at Plant 1 and modifications to the existing fiber optic system at Plant 2. The scope and technical details of this project will be defined by Process Control Systems Upgrades Study, Project No. SP-196, which may affect the scope of this project.	\$9,200,000