

## A G E N D A

**SAN RAFAEL SANITATION DISTRICT  
BOARD OF DIRECTORS  
THURSDAY – JULY 1, 2021 - 11:00 A.M.  
Join Zoom Meeting at <https://zoom.us/j/97026299529>  
Meeting ID: 970 2629 9529**

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**Meeting ID: 970 2629 9529**

**Find your local number: <https://zoom.us/u/abNB30QXOE>**

### **CORONAVIRUS (COVID-19) ADVISORY NOTICE**

In response to Governor Newsom's Executive Order N-29-20, the San Rafael Sanitation District will no longer offer an in-person meeting location for the public to attend. This meeting will be available by virtual and teleconference.

If you experience an issue providing comments in the meeting or have any questions regarding the meeting, please contact the District Clerk (email [cindy.hernandez@cityofsanrafael.org](mailto:cindy.hernandez@cityofsanrafael.org) or phone 415-485-3132).

**Members of the public may speak on Agenda items.**

#### **1. OPEN PERIOD**

Opportunity for the public to address the Board on items not on the agenda.  
(Presentations are generally limited to 2 minutes.)

#### **2. MINUTES OF THE MEETING**

Request approval as submitted – June 3, 2021.

#### **3. PAYMENTS**

Request approval as submitted.

#### **4. OLD BUSINESS**

- a. Adopt resolution approving the budget for Fiscal Years 2021-22 and 2022-23.  
(Michael Maher)

## **5. NEW BUSINESS**

- a. Report on bid opening for the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project and adopt resolution to award contract.  
(David Nicholson)
- b. Adopt resolution authorizing the District Manager/District Engineer to execute a Professional Services Agreement with Tesco Controls, Inc., to upgrade the Bret Harte Pump Station programmable logic controller (PLC).  
(Kris Ozaki)

## **6. INFORMATIONAL ITEMS**

## **7. DIRECTOR REPORTS/REQUESTS FOR FUTURE AGENDA ITEMS**

## **8. ADJOURNMENT**

The next scheduled meeting is August 5, 2021.



**SAN RAFAEL SANITATION DISTRICT**  
**Minutes of the Meeting**  
**June 3, 2021**

Regular Meeting

Via Teleconferencing

The meeting was called to order at 11:00 A.M. by Chair Kate.

Attendance Board: Kate Colin, Chair  
 Maribeth Bushey, Secretary/Director  
 Katie Rice, Director

Attendance Staff: Doris Toy, District Manager/District Engineer  
 David Nicholson, Senior Civil Engineer  
 Kris Ozaki, Operations and Maintenance Manager  
 Cynthia Hernandez, District Secretary

Attendance Others: John W. Maher, CPA, Maher Accountancy  
 Michael Maher, CPA, Maher Accountancy

1. **OPEN PERIOD** - No persons were present to address the Board. A roll call was taken, and Chair Kate, Director Bushey, and Director Rice were present.
2. **MINUTES OF MAY 6, 2021.**

**MOTION** by Director Rice, seconded by Chair Kate, to approve the minutes of the May 6, 2021, meeting as presented.

**AYES:** Director Rice, Chair Kate  
**NOES:** None  
**ABSTAIN:** Director Bushey *Motion Carried*

**3. PAYMENTS**

**MOTION** by Director Rice, seconded by Director Bushey, to approve the payments for May 2021 in the amount of \$143,834.05 for maintenance and operation of the District and for capital improvements.

**AYES:** Director Bushey, Director Rice, Chair Kate  
**NOES:** None  
**ABSENT:** None *Motion Carried*

#### 4. OLD BUSINESS

None.

#### 5. NEW BUSINESS

##### a. Review draft budget for Fiscal Years 2021-22 and 2022-23. (Maher Accountancy)

District Manager Toy reported that this item was just for review at this time and would be brought back for final approval at the July 1<sup>st</sup> meeting. She then referred to John and Michael Maher, of Maher Accountancy, and requested Michael Maher to review the draft budget summary with the Board. CPA Michael Maher then reported the following: This is a two-year budget for Fiscal Years 2021-22 and 2022-23. There are four funds—the Operating Fund, the Equipment Fund, the Sewer Replacement Fund, and the Pump Station and Force Main Fund. The Operating Fund has both revenues and expenses, and some of those revenues get transferred into the other funds. The beginning balance for FY 2021-22 will be approximately \$15 million and consists of the funds left at the end of FY 2020-21. The other sources of revenue come from property taxes, sewer user fees (the main source of revenue), connection fees, and interest income. The estimated revenues for both FY 2021-22 and FY 2022-23 are fairly consistent. He then referred to the expenditures for Operations and Maintenance (\$4.4 million), Sewage Treatment-CMSA (\$7.7 million) and the transfers of funds to the Equipment Acquisition Fund (\$235,400) and Capital Improvement Projects (80-Year Life-Cycle Sewer Replacement \$4.9 million and Pump Station and Force Main Capital Improvements \$2 million). He also reviewed the Ending Fund Balance allocations, including \$1 million for Emergencies, and the details of the balances, transfers, and expenditures for the Equipment Acquisition Fund, the 80-Year Life-Cycle Sewer Replacement Fund, and the Pump Station & Force Main Capital Improvements Fund. CPA Michael Maher then asked the Board if they had any questions, and the Board requested him to bring back information on any discount rates for Pension and Other Post-Retirement Benefits and asked about industry norms for reserves and establishing a reserve policy. District Manager Toy then reported the following on the line items in the Operations and Maintenance Fund: Contractual Costs to the City of San Rafael—SRSD will no longer support a 35% FTE GIS Analyst (budget reduced), may outsource; Maintenance and Operations-Collection System--\$30,000 added for rental of a water truck and request to purchase a water truck for \$109,000 instead (Board approved purchase); Facilities Mapping Services—will no longer pay for City Engineering Tech, may outsource (budget to remain the same); Vehicle & Equipment Acquisition—will increase budget by \$109,000 to pay for water truck and plans to replace a Ford Hybrid Escape next fiscal year (Board prefers low emission vehicles when possible and full EVs—a support program exists for EVs); CIPs on NPDES Permit have been highlighted, and SRSD will meet the NPDES requirements. The Board requested that the EVs be identified on the Equipment Replacement Chart, for the vehicles to be as “green” as possible when making new purchases, and to check on recommendations for leased vs purchased electric passenger vehicles. In response to questions regarding increased costs due to the drought, Manager Toy reported that there may be a slight increase in construction costs. CPA Michael Maher then reported that this was the first view of the budget and that it will be brought to the next meeting for adoption. In response to an inquiry by the Board, he also reported that the Budget could be amended at any time, specifically in regard to a reserve policy and/or capital improvement projects.

**b. Report on bid opening for the Woodland Avenue Sewer Improvement Project, and adopt resolution to award contract. (David Nicholson)**

Senior Civil Engineer Nicholson reported the following: This project involves making sewer improvements around Woodland Avenue from Lindaro to B Street and includes Octavia Street, Woodland Place, and a small portion of B Street. The District's design consultant, Schaaf & Wheeler, has done a great job of coordinating with the property owners on Woodland Place, especially on the design of the individual sewer laterals. The District will be working closely with the Department of Public Works in regard to a storm drain culvert that they will be replacing on B Street near the intersection of B and Taylor. Due to the schools in the vicinity of Woodland Avenue and Lindaro Street, the District's specs require that the work in this area be done during the summer break. In addition, Public Works intends to resurface this portion of Woodland Avenue in September. The bids for this project were opened on Friday, May 28, 2021. The Engineer's Estimate was \$1,960,000, and the low bid by Westland Contractors, Inc., of Oakland was \$1,152,907.00, which was lower than expected. District staff and their consultant have reviewed the bids and found that Westland Contractors is a responsible bidder. The District has previously worked with Westland Contractors and remembers them as being reputable and competent. He was unable to contact any of Westland's references, but Nute Engineering reported that Westland Contractors has a good reputation, performs good work, and has good construction practices but needs a little improvement on its paperwork. Senior Civil Engineer Nicholson then reported that staff recommends that the Woodland Avenue Sewer Improvement Project be awarded to Westland Contractors, Inc. The Board expressed concern regarding Westland's low bid and requested staff to give careful scrutiny to future engineering cost estimates. The Board also requested Manager Toy to advise Westland that the District is aware that their bid is substantially lower than the others and will be holding them to the highest requirements of performance.

**MOTION** by Director Bushey, seconded by Director Rice, to adopt the resolution awarding contract to Westland Contractors, Inc., for the Woodland Avenue Sewer Improvement Project.

**AYES:** Director Bushey, Director Rice, Chair Kate  
**NOES:** None  
**ABSENT:** None

*Motion Carried*

**c. Review and approve request for annexation of 345 Highland Avenue, San Rafael (APN 016-011-20) to the San Rafael Sanitation District.**

District Manager Toy reported the following: The residence on this parcel is currently on a failing septic system, and the Marin County Department of Health and Human Services will not allow the property owners to replace their septic system due to the steep terrain and because of the property's close proximity to the District's sewer main. The owners have requested the District to accept their request for connection to the sewer main and have also applied with Marin LAFCO for annexation to the District. The nearest sewer main is within an easement adjacent to this property and has adequate capacity to accept the wastewater from this home. Staff is currently reviewing the plans for the sewer lateral, which have been designed by Nute Engineering. Staff recommends that the Board approve the request for the annexation of 345 Highland Avenue and authorize the District Manager/District Engineer to sign LAFCO's annexation consent form.

**MOTION** by Director Rice, seconded by Director Bushey, to approve the request for the annexation of 345 Highland Avenue, San Rafael (APN 016-011-20) to the San Rafael Sanitation District and authorize the District Manager/District Engineer to sign the Affected and Impacted Agency Consent Form from the Marin Local Agency Formation Commission.

**AYES:** Director Bushey, Director Rice, Chair Kate

**NOES:** None

**ABSENT:** None

*Motion Carried*

**d. Adopt resolution establishing the FY 2021-22 Sewer Connection Fees.**

District Manager Toy reported that per District Ordinance No. 56, the sewer connection fees shall be adjusted annually on July 1<sup>st</sup> by an increment determined by the change in the Engineering News Record Construction Cost Index (ENR Index) for San Francisco. The Engineering News Record compiles and publishes data on the prices of building materials and construction labor costs. This year the ENR Index increased by 4.73%, causing the sewer connection fee for a single-family residence to increase by \$179.93 from \$3,804.00 to \$3,983.93 for FY 2021-22. In order to avoid a larger increase at a later date, staff recommended that the Board adopt the resolution to increase the sewer connection fees for FY 2021-22. The Board felt that because the District has adequate reserves and the proposed increase is not based on additional costs incurred by the District, the sewer connection fees should not be increased at this time. The Board then discussed how the reserves would also impact the sewer user fees; and Manager Toy reported that because the District has not needed additional revenue, the District had discontinued any increases to the user fees several years ago.

**MOTION** by Director Bushey, seconded by Director Rice, to continue Item 5.d. on establishing the FY 2021-22 Sewer Connection Fees until after a review of the District's reserve policy has been completed.

**AYES:** Director Bushey, Director Rice, Chair Kate

**NOES:** None

**ABSENT:** None

*Motion Carried*

**e. Adopt resolution establishing the FY 2021-22 Appropriations Limit on tax proceeds (Proposition 4).**

District Manager Toy reported that the California State appropriations limit was established by Proposition 4 in 1979 and places an upper limit on the monies that can be spent each year from State tax proceeds. The appropriations limit is updated annually based on changes in the population and per capita income. If the appropriations limit is below the tax revenue received from the State, the District can retain this revenue as long as it is used for capital projects; otherwise, it would need to be refunded to the ratepayers. The Districts FY 2021-22 Appropriations Limit is \$1,364,721, and the District anticipates receiving approximately \$1.9 million from State taxes (approximately \$560,000 over the appropriations limit). However, the District will be permitted to keep the tax revenue because the District will be able to spend it on capital projects.

**MOTION** by Director Bushey, seconded by Director Rice, to adopt the resolution establishing the FY 2021-22 Appropriations Limit on tax proceeds (Proposition 4).

**AYES:** Director Bushey, Director Rice, Chair Kate

**NOES:** None

**ABSENT:** None

*Motion Carried*

*Director Rice had to leave the meeting at 11:59 A.M.*

**f. Discuss next scheduled meeting date.**

District Manager Toy reported that earlier in the year when the meeting schedule was established, staff became aware that Director Rice had a scheduling conflict with the July 1, 2021, Board meeting date. She then asked Chair Kate and Director Bushey whether they would be available to attend this meeting since they would both be needed in order to have a quorum. They confirmed that they would be available to attend the meeting; and Manager Toy reported that she would not be at this meeting, but Senior Civil Engineer Nicholson would take her place. Chair Kate and Director Bushey then requested Manager Toy to follow up with Director Rice to be sure that she would be okay if the Budget is adopted without her presence at the July 1st meeting.

**6. INFORMATIONAL ITEMS**

**a. Eide Bailly planning communication letter for the audit of the FY 2020-21 Financial Statements for SRSD.**

District Manager Toy reported that this is just a standard letter from the District's auditors, Eide Bailly, informing the Board of their responsibilities, planned scope of work, and the timing of the audit of the District's FY 2020-21 Financial Statements. Eide Bailly plans to begin the audit around August 30, 2021, and issue its report around September 17, 2021.

**7. DIRECTOR REPORTS/REQUESTS FOR FUTURE AGENDA ITEMS**

None.

**8. ADJOURNMENT**

There being no further business to come before the Board, the meeting of June 3, 2021, was adjourned at 12:02 A.M. The next meeting of the San Rafael Sanitation District was scheduled for Thursday, July 1, 2021, at 11:00 A.M via teleconferencing.

Respectfully submitted,

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Maribeth Bushey, Recording Secretary

**ATTEST THIS 1st DAY OF JULY 2021**

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Kate Colin, Chair



3

SAN RAFAEL SANITATION DISTRICT

PAYMENT SUMMARY

June 1, 2021 - June 30, 2021

Vendor/Payee

Memo

Account Name	Class	Acct#	Amount
APPLIED TECHNOLOGY GROUP, INC.	300	4155	1,469.20
North Francisco and West Railroad Pump Stations - follow-up survey for West Railroad, N. Francisco, Third St., and Beach Fiberglass PSs			
APPLIED TECHNOLOGY GROUP, INC.	200	2359	509.00
Pump Stations - repair to radio from Glenwood Pump Station			
APPLIED TECHNOLOGY GROUP, INC.	300	4149	1,469.20
Third Street PS and Beach Fiberglass PS Improvement Project - radio pathway			
ARAMARK UNIFORM SERVICES	200	2021	186.65
Uniforms - weekly service ending 5/12/21			
ARAMARK UNIFORM SERVICES	200	2021	186.65
Uniforms - weekly service ending 5/19/21			
ARAMARK UNIFORM SERVICES	200	2021	187.59
Uniforms - weekly service ending 5/26/21			
ARAMARK UNIFORM SERVICES	200	2021	228.80
Uniforms - weekly service ending 6/02/21			
ARAMARK UNIFORM SERVICES	200	2021	227.65
Uniforms - weekly service ending 6/09/21			
ARAMARK UNIFORM SERVICES	200	2021	186.65
Uniforms - weekly service ending 6/16/21			
AT&T MOBILITY	100	2534	727.37
Telephone Service - cell phone service from 4/04/21-5/03/21			
BXPRESS	300	4339	755.91
Woodland Ave. Sewer Improvement Project - plans and specs			
BRANDON TIRE	200	2083	318.40
Vehicles - one new tire for vehicle #8149-18			
BWS DISTRIBUTORS	200	2365	629.73
Safety - gloves			
CAL WEST RENTALS INC.	200	2360	3,570.00
Collection System - water truck rental from 5/28/21-6/25/21			
CALCON SYSTEMS, INC.	200	2359	25,000.00
Pump Stations - annual electrical preventive maintenance for pump stations			
CALCON SYSTEMS, INC.	200	2359	1,700.00
Pump Stations - motor starter for West Francisco Pump Station			
CALCON SYSTEMS, INC.	200	2359	963.75
Pump Stations - service call to Cayes Main Pump Station on 5/22/21			
CALIFORNIA CAD SOLUTIONS INC(CALCAD)	100	4188	675.00
Facilities Mapping Services - cleaning system updates from February to April 2021			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	2,145.00
Pump Stations - annual service and load bank testing for backup generator - Doosan 260 KW			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,400.00
Pump Stations - annual service and load bank testing for Peacock #2 Pump Station portable generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,795.00
Pump Stations - annual service and load bank testing for Cayes Main Pump Station generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	2,125.00
Pump Stations - annual service and load bank testing for Glenwood Pump Station generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,395.00
Pump Stations - annual service and load bank testing for Loch Lomond Pump Station generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,895.00
Pump Stations - annual service and load bank testing for Peacock #2 Pump Station portable generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,470.00
Pump Stations - annual service and load bank testing for Riviera Pump Station generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,850.00
Pump Stations - annual service and load bank testing for San Pedro Pump Station generator			
CALIFORNIA DIESEL & POWER INC. (CD&POWER)	200	2359	1,795.00
Pump Stations - annual service and load bank testing for West Railroad Pump Station portable generator			
CENTRAL MARIN SANITATION AGENCY	100	4300	2,979.67
FOG Program - FOG Control Program Management from 1/01/21-3/31/21			
CITY OF SAN RAFAEL	100	4188	22,500.00
Facilities Mapping Services - services FY 2020-21			
CITY OF SAN RAFAEL	200	2083	1,598.60
Vehicles - repairs and parts from 5/10/21-5/25/21			
COLIN, KATE	100	2282	100.00
Director's Fees - Kate Collin on 6/03/21			
CORNING FORD	100	4830	109,325.46
Vehicle and Equipment Acquisition - new 2022 Ford F750 water truck			
COUNTY OF MARIN	100	2282	100.00
Director's Fees - Katie Rice on 6/03/21			
CSW/STUBER-STROEH ENGR GROUP INC.	300	4340	1,848.00
Third Street Sewer Rehab. Project Lootens Place to Fourth Street - design and construction related services through 6/02/21			
CWEA-TCP	100	2388	91.00
Memberships and Dues - CWEA certification renewal, Douglas W St. Cyr through 7/31/21			
CWEA-TCP	100	2388	91.00
Memberships and Dues - CWEA certification renewal, Hector Rodriguez through 7/31/21			
CWEA-TCP	100	2388	96.00
Memberships and Dues - CWEA certification renewal, Kris Ozaki through 7/31/21			
DOWNTOWN FORD SALES	100	4830	25,927.48
Vehicle and Equipment Acquisition - new 2021 Ford Escape			
DURACABLE MANUFACTURING	200	2360	1,019.17
Collection System - blades for power rodder			
E&M ELECTRIC & MACHINERY, INC.	200	2359	535.00
Pump Stations - annual TopView support for 8/01/21-7/31/22			
EVOQUA WATER TECHNOLOGIES, LLC	200	2106	1,494.00
Odor Control - service and inspection of chemical tanks at pump stations from 5/01/21-5/31/21			
FASTENAL	200	2359	1.14
Pump Stations - set of screws for Kohler generator wire connection			



GRAINGER	200	2359	Maint- pump sta's & force mains						43.83
GRAINGER	200	2359	Maint- pump sta's & force mains						262.79
GRAINGER	200	2365	Safety equipment and supplies						32.86
INTERSTATE STEEL STRUCTURES	200	2359	Maint- pump sta's & force mains						3,473.00
JACKSON'S HARDWARE	200	2359	Maint- pump sta's & force mains						25.12
KIMBALL MIDWEST	200	2359	Maint- pump sta's & force mains						24.60
KIMBALL MIDWEST	200	2359	Maint- pump sta's & force mains						19.13
KIMLEY-HORN AND ASSOCIATES, INC.	300	4340	Third St (Hayes to Ritter) (80)						1,690.00
MAGGIORA & CHILOTTI INC	300	4337	Sewer Rep Richmond SR Bridge(80)						2,950.00
MAGGIORA & CHILOTTI INC	300	4337	Sewer Rep Richmond SR Bridge(80)						2,172.18
MAHER ACCOUNTANCY	100	2717	Accounting services						3,600.00
MAHER ACCOUNTANCY	100	2717	Accounting services						3,600.00
MARIBETH BUSHEY	100	2282	Director's fees						100.00
MARIN MUNICIPAL WATER DIS	200	2536	Water utility costs						87.79
MARIN ROTO-ROOTER SEWER SERVICE, INC	200	2363	Standby services						650.00
MARIN ROTO-ROOTER SEWER SERVICE, INC	200	2363	Standby services						650.00
MARIN ROTO-ROOTER SEWER SERVICE, INC	200	2363	Standby services						325.00
NORTH BAY PETROLEUM	200	2359	Maint- pump sta's & force mains						1,600.64
NUTE ENGINEERING INC	300	4338	Rehab of Beach Swr Bayside (80)						9,748.00
NUTE ENGINEERING INC	300	4338	Rehab of Beach Swr Bayside (80)						17,319.50
NUTE ENGINEERING INC	300	4337	Sewer Rep Richmond SR Bridge(80)						2,160.50
NUTE ENGINEERING INC	300	4336	Francisco Blvd. East-Medway(80)						101.00
NUTE ENGINEERING INC	300	4155	N. Francisco/WRR Pump St.(10)						2,020.00
NUTE ENGINEERING INC	300	4155	N. Francisco/WRR Pump St.(10)						1,942.50
NUTE ENGINEERING INC	300	4149	Third St I Fiberglass PS (10)						2,002.75
NUTE ENGINEERING INC	300	4149	Third St I Fiberglass PS (10)						617.50
PG&E a/c 2480926202-5	200	2535	Electric utility costs						12,833.24
PG&E a/c 2480926202-5	200	2535	Electric utility costs						15,117.76
POSTMASTER	300	4342	2020-21 Sewer Improvement (80)						210.50
POSTMASTER	300	4339	Woodland Pl/Ave & Octavia (80)						136.50
PUMP REPAIR SERVICE CO INC	200	2359	Maint- pump sta's & force mains						9,101.23
SCHAAF & WHEELER, INC	300	4342	2020-21 Sewer Improvement (80)						21,960.21
SCHAAF & WHEELER, INC	300	4339	Woodland Pl/Ave & Octavia (80)						25,410.00
STAPLES INC	200	2360	O&M - collection systems						38.51
UNITED TEXTILE	200	2359	Maint- pump sta's & force mains						202.64
US BANK CORPORATE PAYMENT	200	2360	O&M - collection systems						196.12
US BANK CORPORATE PAYMENT	200	2360	O&M - collection systems						6.53
US BANK CORPORATE PAYMENT	200	2359	Maint- pump sta's & force mains						43.69
US BANK CORPORATE PAYMENT	200	2359	Maint- pump sta's & force mains						107.50
US BANK CORPORATE PAYMENT	200	2359	Maint- pump sta's & force mains						185.10
US BANK CORPORATE PAYMENT	200	2359	Maint- pump sta's & force mains						50.50
US BANK CORPORATE PAYMENT	200	2359	Maint- pump sta's & force mains						19.69
US BANK CORPORATE PAYMENT	200	2359	Maint- pump sta's & force mains						5.80
US BANK CORPORATE PAYMENT	100	2388	Training and education						168.00

US BANK CORP SERVICE CENTER	Vehicle - reimbursement for payment by Fire Dept. mechanic for repair to SRSD vactor truck #6150	200	2083	Parts and repairs vehicles	636.56
US BANK CORPORATE PAYMENT	Woodland Ave. SIP - publication of notice inviting bids for the Woodland Ave. SIP	300	4339	Woodland PIAve & Octavia (80)	921.72
VERIZON WIRELESS(242395665)	Telephone Service - private IP addresses for the San Pedro and Peacock Pump Stations 4/18/21-5/17/21	100	2534	Telephone service	137.38
VERIZON WIRELESS(372347623)	Telephone Service - wireless service for laptops 4/21/21-5/20/21	100	2534	Telephone service	266.07
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - camlock gasket	200	2359	Maint- pump sta's & force mains	24.91
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - cap for old pipe at Main Drive Eject Pump Station	200	2359	Maint- pump sta's & force mains	5.54
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - coupler for drain pipe for pump #3 at North Francisco Pump Station	200	2359	Maint- pump sta's & force mains	5.60
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - new pump fittings for Beach Drive Fiberglass Pump Station	200	2359	Maint- pump sta's & force mains	30.45
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - piping for Beach Drive Fiberglass Pump Station pump #1	200	2359	Maint- pump sta's & force mains	319.48
WATER COMPONENTS & BLDG SUPPLY	Pump Stations - wasp and hornet spray	200	2359	Maint- pump sta's & force mains	9.67
WECO INDUSTRIES LLC	Collection System - Warthog nozzle for vactor truck	200	2360	O&M - collection systems	180.55
WILLIS PROFESSIONAL LAND SURVEYING INC	ARV at Francisco Blvd. East at Harbor St. Project - topographic mapping along Force Main on Harbor Street for ARV project	300	4344	Air Release, Francisco, Harb 10	500.00
WILLIS PROFESSIONAL LAND SURVEYING INC	Consulting Services - point processing, CAD, and drafting and prints for sewer easement at 21 Pepper Way	100	2325	Consulting services	225.00
WORKSMART AUTOMATION, INC	Pump Stations - troubleshooting to determine problem with historical data on SCADA	200	2359	Maint- pump sta's & force mains	620.00
					\$ 369,422.49

4.a.

**SAN RAFAEL SANITATION DISTRICT  
RESOLUTION NUMBER 21-1232**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SAN RAFAEL SANITATION DISTRICT  
ADOPTING AND APPROVING THE BUDGET  
FOR FISCAL YEARS 2021-2022 & 2022-2023**

**THE BOARD OF DIRECTORS OF THE SAN RAFAEL SANITATION DISTRICT,  
COUNTY OF MARIN,** hereby resolves as follows:

**WHEREAS,** the Board of Directors has reviewed the budget for Fiscal Years 2021-2022 and 2022-2023, including any changes made to the budget by the Board.

**NOW, THEREFORE, BE IT RESOLVED** that the San Rafael Sanitation District does hereby adopt the attached budget for Fiscal Years 2021-2022 and 2022-2023.

**PASSED AND ADOPTED** at a regular meeting of the San Rafael Sanitation District Board of Directors held on the 1st day of July 2021 by the following vote, to wit:

**AYES:**

**NOES:**

**ABSENT/ABSTAIN:**

**SAN RAFAEL SANITATION DISTRICT**

\_\_\_\_\_  
**Kate Colin, Chair**

**ATTEST:**

\_\_\_\_\_  
**Maribeth Bushey, Secretary**

**SAN RAFAEL SANITATION DISTRICT  
BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023**

	FY2022	FY2023
<b>OPERATING FUND</b>		
<b>RESOURCES AVAILABLE:</b>		
<b>FUND BALANCE, BEGINNING</b>	\$ 14,817,051	\$ 14,854,900
<b>REVENUES</b>		
Property taxes	1,922,354	1,960,688
User fees	16,899,123	16,899,123
Connection fees	231,580	231,580
Interest income	358,587	358,587
<b>Total revenues</b>	<u>19,411,643</u>	<u>19,449,977</u>
<b>TOTAL RESOURCES AVAILABLE</b>	<u>\$ 34,228,694</u>	<u>\$ 34,304,877</u>
<b>RESOURCES EXPENDED AND REMAINING</b>		
<b>EXPENDITURES</b>		
Operations and maintenance	\$ 4,514,654	\$ 4,647,217
Sewage treatment (CMSA)	7,722,839	8,006,305
Transfers to Capital Funds		
Equipment acquisition fund	236,300	236,300
Capital improvement projects:		
80-year life-cycle sewer replacement	4,900,000	4,900,000
Pump station & force main capital improvements	2,000,000	2,000,000
<b>TOTAL EXPENDITURES</b>	<u>19,373,793</u>	<u>19,789,822</u>
<b>ENDING FUND BALANCE</b>		
<b>Assigned:</b>		
Working capital	6,928,000	7,154,000
Pension and other post-retirement benefits	5,000,000	5,000,000
Emergencies	1,000,000	1,000,000
<b>Total assigned</b>	<u>12,928,000</u>	<u>13,154,000</u>
<b>Unassigned</b>	<u>1,926,900</u>	<u>1,361,056</u>
Total ending fund balance	<u>14,854,900</u>	<u>14,515,056</u>
<b>TOTAL RESOURCES EXPENDED &amp; REMAINING</b>	<u>\$ 34,228,694</u>	<u>\$ 34,304,877</u>
<hr/>		
<b>EQUIPMENT ACQUISITION FUND</b>		
<b>FUND BALANCE, BEGINNING</b>	\$ 1,720,195	\$ 1,956,495
Transfers from Operating Fund	236,300	236,300
Expenditures	-	(34,000)
<b>FUND BALANCE, ENDING</b>	<u>\$ 1,956,495</u>	<u>\$ 2,158,795</u>
<hr/>		
<b>80-YEAR LIFE-CYCLE SEWER REPLACEMENT</b>		
<b>FUND BALANCE, BEGINNING</b>	\$ 18,810,814	\$ 12,110,814
Transfers from Operating Fund	4,900,000	4,900,000
Expenditures	\$ (11,600,000)	\$ (7,950,000)
<b>FUND BALANCE, ENDING</b>	<u>\$ 12,110,814</u>	<u>\$ 9,060,814</u>
<hr/>		
<b>PUMP STATION &amp; FORCE MAIN CAPITAL IMPROVEMENTS</b>		
<b>FUND BALANCE, BEGINNING</b>	\$ 6,083,385	\$ 4,808,385
Transfers from Operating Fund	2,000,000	2,000,000
Expenditures	(\$3,275,000)	(\$2,800,000)
<b>FUND BALANCE, ENDING</b>	<u>\$ 4,808,385</u>	<u>\$ 4,008,385</u>

## **SUPPORTING SCHEDULES**



SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 EXPENDITURE DETAILS

Acct. Code	Account Title	Description	Actual 2019-20	Budget 2020-21	Projected 2020-21	Proposed 2021-22	Proposed 2022-23	Comments
<b>FUND 74600 - OPERATIONS &amp; MAINTENANCE</b>								
2361	Contractual Costs to City of San Rafael	Salaries, benefits, summer help, technology replacement, utilities	\$ 2,959,700	\$ 3,198,200	\$ 3,136,400	\$ 2,988,000	\$ 3,077,640	City Estimate plus estimated inflation; starting FY21-22, no 0.35 FTE GIS Analyst
2388	Staff Training, Education, and Memberships	Registration, tuition, manuals, texts, etc. for District personnel training and certification courses & seminars on confined space, SSMP, management, etc.	\$ 2,400	\$ 4,200	\$ 3,500	\$ 3,611	\$ 3,720	Based on 2020-21 Projection plus estimated inflation
2477	Conferences	Travel, lodging, and related expenses for Board and staff, CASA quarterly meetings, and other misc. conferences	\$ -	\$ 6,500	\$ 1,600	\$ 6,000	\$ 6,180	Based on 2020-21 Projection plus estimated inflation
2131	Memberships & Subscriptions	Annual membership dues	\$ 13,600	\$ 15,100	\$ 16,400	\$ 16,844	\$ 17,349	Based on 2020-21 Projection plus estimated inflation
	<i>Details:</i>							
	State WRCB			\$ 2,300	\$ 3,000	\$ 3,000	\$ 3,500	
	CASA			\$ 9,000	\$ 9,000	\$ 9,500	\$ 10,000	
	BACWA			\$ 1,500	\$ 1,500	\$ 1,750	\$ 2,000	
	Other			\$ 2,300	\$ 2,900	\$ 2,594	\$ 1,849	
2534	Telephone Service	District office, District fax, pump stations, cell phones, pagers, dialers for pump stations, laptop connection cards, private IP's	\$ 20,000	\$ 21,400	\$ 21,000	\$ 25,000	\$ 25,750	Based on 2020-21 Projection plus estimated inflation
2282	Director Fees	Payment to Board of Directors for meetings	\$ 2,000	\$ 5,200	\$ 3,400	\$ 5,200	\$ 5,200	Based on meetings expected
2713	Legal Services	Legal services performed by the County Counsel and outside counsel for the District.	\$ 7,100	\$ 32,000	\$ 21,700	\$ 22,383	\$ 23,055	Based on 2020-21 Projection plus estimated inflation
2325	Consulting Services	Engineering, professional and specialized consulting services	\$ 27,500	\$ 61,800	\$ 39,000	\$ 63,000	\$ 64,890	Based on 2020-21 Projection plus estimated inflation
	<i>Details:</i>							
	Nute engineering			\$ 36,864	\$ 5,000	\$ 36,000	\$ 36,864	
	California CAD			\$ 6,144	\$ 6,500	\$ 6,000	\$ 6,144	
	Audit of financial statement			\$ 16,384	\$ 15,000	\$ 16,000	\$ 16,384	
	Other			\$ 2,408	\$ 12,500	\$ 5,000	\$ 5,498	
2717	Accounting Services	Accounting and financial management services	\$ 53,100	\$ 68,900	\$ 68,900	\$ 55,200	\$ 69,277	Based on 2020-21 Projection plus estimated inflation
	<i>Details:</i>							
	Maher Accountancy			\$ 43,200	\$ 43,200	\$ 43,200	\$ 43,200	
	Monthly accounting			\$ 25,700	\$ 25,700	\$ 12,000	\$ 26,077	Add budget development in year 2021
	Special projects							
6832	Tax collection fees	County Tax collection and sewer service administration fees	\$ 37,100	\$ 41,200	\$ 39,000	\$ 42,000	\$ 43,000	Based on 2020-21 Projection plus estimated inflation
2059	General Insurance	CSRMA - public liability, property, and auto insurance	\$ 127,700	\$ 142,900	\$ 145,100	\$ 149,424	\$ 153,906	Based on 2020-21 Projection plus estimated inflation
2051	Claims and Deductibles	Claims and deductible payments	\$ 58,500	\$ 37,100	\$ 10,300	\$ 45,000	\$ 45,000	Includes allowance for unidentified claims
2321	Public Outreach	Informational fliers, website, videos	\$ 19,500	\$ 21,700	\$ 13,900	\$ 20,000	\$ 20,000	
2221	Legal Notices	Publication of notices of hearings, ordinances, etc.	\$ -	\$ 1,600	\$ 400	\$ 1,500	\$ 1,500	Includes allowance for unidentified items
2122	Rebates/Refunds	Refund of sewer user & connection fees	\$ 6,200	\$ 10,300	\$ 2,600	\$ 10,300	\$ 10,300	Includes allowance for unidentified items
2133	Office/Shop Supplies	District office & maintenance	\$ 2,800	\$ 10,300	\$ 4,300	\$ 7,500	\$ 8,500	Includes allowance for unidentified items
2389	Miscellaneous expenses		\$ -	\$ 1,100	\$ 400	\$ 1,100	\$ 1,200	Includes allowance for unidentified items

SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 EXPENDITURE DETAILS

Acct. Code	Account Title	Description	Actual 2019-20	Budget 2020-21	Projected 2020-21	Proposed 2021-22	Proposed 2022-23	Comments
2359	Maintenance and Operations, Pump Stations, Force Mains, Generators	All maintenance, repairs, and supplies for pump stations and force mains, including rebuilding pumps, motors, electrical panels, controls, comminutors, replacing and/or repairing valves, replace motor control centers, etc.	\$ 299,400	\$ 226,600	\$ 211,500	\$ 250,000	\$ 250,000	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation
2360	Maintenance and Operations - Collection System	All maintenance, pipe spot repairs, and supplies for collection system, including accessory parts and materials for vactor and power rodder.	\$ 212,000	\$ 162,900	\$ 185,400	\$ 215,000	\$ 206,000	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation; add water truck rental to FY21-22
2535	Power	Cost of electricity and gas for all pump stations	\$ 164,600	\$ 206,000	\$ 193,800	\$ 199,626	\$ 205,615	Includes allowance for unidentified items
2536	Water	Water purchases	\$ 19,800	\$ 25,000	\$ 18,300	\$ 22,000	\$ 24,000	Based on 2020-21 Projection plus estimated inflation
2363	Standby Services	Cost to respond to sewer emergencies by Roto-Rooter after hours and on weekends and holidays	\$ 25,200	\$ 41,200	\$ 23,400	\$ 30,000	\$ 35,000	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation
2083	Vehicle repair & parts	Parts, maintenance, repairs, fuel & oil for District vehicles	\$ 31,800	\$ 61,800	\$ 66,500	\$ 75,000	\$ 77,250	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation; add diesel fuel
2106	Odor Control	Bioxide chemical odor control & equipment for pump stations	\$ 53,200	\$ 92,700	\$ 80,100	\$ 82,515	\$ 84,990	Based on 2020-21 Projection plus estimated inflation
2021	Uniforms	Rental & cleaning of uniforms	\$ 6,600	\$ 10,300	\$ 9,400	\$ 9,651	\$ 9,940	Based on 2020-21 Projection plus estimated inflation
2365	Safety Equipment and Supplies	Equipment and supplies for on-the-job safety gear, safety signing, first aid supplies, gas detectors and confined space training equipment for compliance with OSHA requirements, including servicing fire extinguishers.	\$ 15,300	\$ 6,200	\$ 3,900	\$ 7,000	\$ 7,500	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation
4045	Manhole Raising	Reimburse City of San Rafael or Marin County for raising manholes to grade upon completion of City/County street or Right-of-Way improvement projects.	\$ 31,600	\$ 56,700	\$ 14,200	\$ 60,000	\$ 61,800	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation
4300	FOG Program	Fats, Oils, and Grease Program administered by CMSA	\$ 11,800	\$ 35,000	\$ 19,300	\$ 40,000	\$ 45,000	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation
4188	Facilities Mapping Services	Continuation of Facilities Mapping Program, updating GIS interface, data base structure, activity tracking, locating structures, easement research, mapping, sewer map books.	\$ 50,000	\$ 61,800	\$ 39,300	\$ 61,800	\$ 63,654	Based on 2020-21 Projection, allowance for unidentified items, plus estimated inflation; starting FY 21-22, no longer have City's Engineering Tech to assist, will possibly outsource.
<b>TOTAL MAINTENANCE &amp; OPERATIONS</b>			<b>\$ 4,258,500</b>	<b>\$ 4,680,800</b>	<b>\$ 4,393,000</b>	<b>\$ 4,514,654</b>	<b>\$ 4,647,217</b>	
<b>FUND 74604 - CENTRAL MARIN SANITATION AGENCY</b>								
4112	SRSD Share of Operation	District's proportionate share based on flow volume and strength.	\$ 5,134,010	\$ 5,436,000	\$ 5,623,420	\$ 5,577,034	\$ 5,861,950	Estimate from CMSA Budget
4113	SRSD Share of Plant Expansion	District's proportionate share of CMSA bond payments based on the total EDU count for all JPA members per Agency budget	\$ 1,862,402	\$ 2,060,000	\$ 1,857,555	\$ 2,145,805	\$ 2,144,355	Estimate from CMSA Budget
<b>TOTAL CENTRAL MARIN SANITATION AGENCY</b>			<b>\$ 6,996,412</b>	<b>\$ 7,496,000</b>	<b>\$ 7,480,975</b>	<b>\$ 7,722,839</b>	<b>\$ 8,006,305</b>	

SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 EXPENDITURE DETAILS

Acct. Code	Account Title	Description	Actual 2019-20	Budget 2020-21	Projected 2020-21	Proposed 2021-22	Proposed 2022-23	Comments
<b>FUND 74600 - FIXED ASSETS</b>								
4830	Vehicle & equipment acquisition	Acquisition of vehicles, equipment & furniture	\$ 480,893	\$ 237,000	\$ 136,000	\$ -	\$ 34,000	Based on Asset Replacement Schedule
<b>TOTAL FIXED ASSETS</b>			<b>\$ 480,893</b>	<b>\$ 237,000</b>	<b>\$ 136,000</b>	<b>\$ -</b>	<b>\$ 34,000</b>	
<b>FUND 74601 - CAPITAL IMPROVEMENTS</b>								
<b>80-YEAR LIFE-CYCLE PROGRAM</b>								
4316	Second St, Ida to E St	Replace 1,500LF of sewer. Postpone.	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
4302	Rehabilitation of Gravity Sewer	Replace miscel. sewer pipes	\$ 1,853	\$ 200,000	\$ 40,000	\$ 200,000	\$ 200,000	
4331	CaTrans SR Harbor Bridge	Reroute 115LF of 36" sewer pipe at Hwy 101, Central San Rafael offramp for CalTrans Harbor Bridge Project. State to reimburse.	\$ 2,362	\$ -	\$ -	\$ -	\$ -	
4306	Miramar and Miraflores	Replace 1,500LF of sewer, include re-route.	\$ 40,637	\$ -	\$ 30,000	\$ 1,100,000	\$ -	
4332	2018 Sewer Pipe Repair	Pipe repairs (3,220LF) at various location	\$ 299,026	\$ -	\$ -	\$ -	\$ -	
4333	Forbes Sewer Impt	Replace 2,945LF of sewer, incl. El Cerrito, Fairhills easement.	\$ 922,367	\$ -	\$ -	\$ -	\$ -	
4301	2018 Sewer Televising	Develop sewer facilities data; analyze sewer system capacity; CCTV Program	\$ 156,118	\$ -	\$ -	\$ -	\$ -	
4334	2019 Sewer Televising	Develop sewer facilities data; analyze sewer system capacity; CCTV Program	\$ 848	\$ 300,000	\$ 270,000	\$ -	\$ -	
4335	2020 Sewer Televising	Develop sewer facilities data; analyze sewer system capacity; CCTV Program	\$ -	\$ 460,000	\$ -	\$ -	\$ -	
4346	2021 Sewer Televising	Develop sewer facilities data; analyze sewer system capacity; CCTV Program	\$ -	\$ -	\$ -	\$ 350,000	\$ -	
4347	2022 Sewer Televising	Develop sewer facilities data; analyze sewer system capacity; CCTV Program	\$ -	\$ -	\$ -	\$ -	\$ 400,000	
4336	Francisco Blvd East at Medway & Vivian	Replace 950 LF of corrugated metal pipe. Included in City's sidewalk widening project.	\$ 42,817	\$ 700,000	\$ 700,000	\$ -	\$ -	
4337	Sewer Repl for Richmond-SR Bridge Impt	Replace 875LF of sewer between Grange and Bay Park Center for State's project.	\$ 3,975	\$ 450,000	\$ 70,000	\$ 850,000	\$ -	
4338	Rehabilitation of Beach Sewers-Bayside Acres	Replace 2,800LF of sewer in beach community	\$ 88,383	\$ 1,025,000	\$ 170,000	\$ 750,000	\$ 1,250,000	
4339	Woodland Pl/Ave & Octavia	Replace 1,760LF of sewer; reroute Woodland Place.	\$ 77,985	\$ 200,000	\$ 200,000	\$ 1,350,000	\$ -	
4340	Third St (4th to Mary)	Replace 1,790LF of sewer prior to City's Third Street Improvement Project.	\$ 14,770	\$ 200,000	\$ 130,000	\$ 1,800,000	\$ -	
4327	#70-96 Bret Harte Easement	Replace/repair retaining wall in sewer easement.	\$ 88,757	\$ 600,000	\$ -	\$ 1,000,000	\$ 1,000,000	
4342	2020 Sewer Pipe Repair/Repl, ph 1/2/3	Replace 7,000 LF of sewer	\$ -	\$ -	\$ 500,000	\$ 3,500,000	\$ 500,000	
4349	2021 Sewer Pipe Repair/Repl	Replace 7,000 LF of sewer	\$ -	\$ -	\$ -	\$ 500,000	\$ 3,500,000	
4350	2022 Sewer Pipe Repair/Repl	Replace 7,000 LF of sewer	\$ -	\$ -	\$ -	\$ -	\$ 500,000	
4343	Fifth Ave, Ray Ct to Sirard Ln	Replace 1,450LF of sewer. Consider relocating from front yards to street.	\$ -	\$ 425,000	\$ -	\$ -	\$ 300,000	
4321	Emergency Projects		\$ -	\$ 200,000	\$ -	\$ -	\$ -	

SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 EXPENDITURE DETAILS

Acct. Code	Account Title	Description	Actual 2019-20	Budget 2020-21	Projected 2020-21	Proposed 2021-22	Proposed 2022-23	Comments
TBD	Miscellaneous Projects		\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	
<b>TOTAL 80-YEAR LIFE-CYCLE PROGRAM</b>			<b>\$ 1,739,898</b>	<b>\$ 4,760,000</b>	<b>\$ 2,110,000</b>	<b>\$ 11,600,000</b>	<b>\$ 7,950,000</b>	
<b>10-YEAR CAPITAL IMPROVEMENT PROGRAM</b>								
4151	Force Main Condition Assessment	Develop data and analyze the condition of force mains	\$ 121,148	\$ 200,000	\$ 62,000	\$ 100,000	\$ 100,000	
4152	N. Francisco Force Main	Upgrade pump station	\$ 175,000	\$ -	\$ -	\$ -	\$ -	
4148	South Francisco Pump Station	Upgrade pump station	\$ 923,649	\$ 1,490,000	\$ 1,466,000	\$ -	\$ -	
4154	Third Street & Fiberglass Pump Station	Upgrade pump station	\$ -	\$ 200,000	\$ 40,000	\$ 1,300,000	\$ 1,000,000	
4155	N. Francisco & WRR Pump Station	Upgrade pump station	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,500,000	
4344	ARV at Harbor	Upgrade pump station	\$ -	\$ -	\$ 80,000	\$ 200,000	\$ -	
4345	Isolation Valve Replacement	Replace valves at 3 sites, i.e N. Fran PS, Pt San Pedro near Yacht Club and Glenwood PS	\$ -	\$ -	\$ 125,000	\$ 475,000	\$ -	
4200	Miscellaneous projects		\$ -	\$ 883,000	\$ -	\$ 200,000	\$ 200,000	
<b>TOTAL PUMP STATION &amp; FORCE MAIN CAPITAL IMPROVEMENTS</b>			<b>\$ 1,219,797</b>	<b>\$ 2,773,000</b>	<b>\$ 1,773,000</b>	<b>\$ 3,275,000</b>	<b>\$ 2,800,000</b>	
<b>TOTAL CAPITAL IMPROVEMENTS</b>			<b>\$ 2,959,695</b>	<b>\$ 7,533,000</b>	<b>\$ 3,883,000</b>	<b>\$ 14,875,000</b>	<b>\$ 10,750,000</b>	

SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 CENTRAL MARIN SANITATION AGENCY

	Projected 2020-21	Proposed 2021-22	Proposed 2022-23
Sewer Treatment - Maintenance & Operations	\$ 5,436,000	\$ 5,577,034	\$ 5,861,950
Sewer Treatment - Debt Service	\$ 2,060,000	\$ 2,145,805	\$ 2,144,355
Total	<b>\$ 7,496,000</b>	<b>\$ 7,722,839</b>	<b>\$ 8,006,305</b>

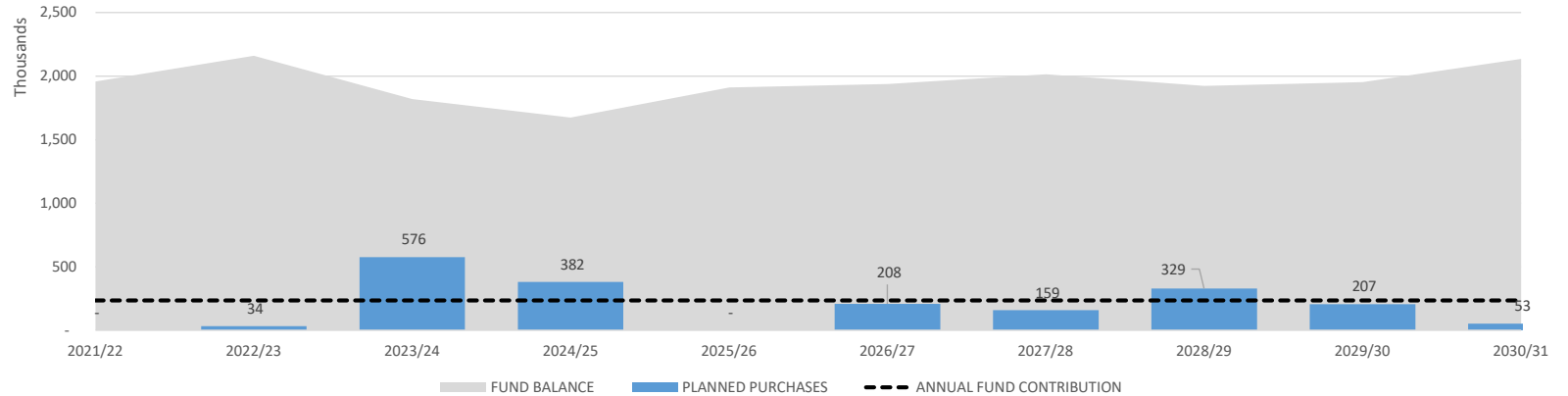


SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 EQUIPMENT RESERVE AND EQUIPMENT ACQUISITION PLAN

EQUIPMENT ACQUISITION FUND & EXPENSE

METHODOLOGY

In order to stabilize the general fund, equipment purchases are estimated base on a 10-year projection, and 1/10th of that amount is reserved each budget year. Actual expenditures will draw from the reserve account.



Equipment description	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	10 Year Total	10 Year Avg
	0	3	6	9	12	15	18	21	24	27	30	33		
Chevy 3/4-ton pickup	39,000	-	-	-	-	-	-	-	-	-	-	-	39,000	3,900
Chevy 1 1/2 -ton pickup with equip	115,000	-	-	-	-	-	-	-	-	-	-	-	115,000	11,500
Sewer Combo Vactor Truck	381,000	-	-	-	-	-	-	-	-	-	-	-	381,000	38,100
2011 Ford Escape Hybrid (from City)	-	-	-	-	47,000	-	-	-	-	-	-	-	47,000	4,700
Ford Truck F-250	-	-	-	-	48,000	-	-	-	-	-	-	-	48,000	4,800
Mobile Pump Godwin 4-inch	-	-	-	-	-	74,000	-	-	-	-	-	-	74,000	7,400
OK Champion Rodder Truck	-	-	-	-	273,000	-	-	-	-	-	-	-	273,000	27,300
2008 Ford Escape Hybrid	-	-	-	34,000	-	-	-	-	-	-	-	-	34,000	3,400
Godwin DRI-Prime CD225M Diesel Pump	-	-	-	-	-	-	-	92,000	-	-	-	-	92,000	9,200
Ingersoll-Rand Doosan G70 Trailer Mounted Diesel	-	-	-	-	-	-	-	52,000	-	-	-	-	52,000	5,200
I.R. Doosan G70 Trailer Mounted Diesel (PG Pump Str	-	-	-	-	-	-	-	52,000	-	-	-	-	52,000	5,200
Haulmark Emergency repair trailer	-	-	-	-	-	-	-	12,000	-	-	-	-	12,000	1,200
OK Champion Rodder Truck	-	-	-	-	-	-	-	-	-	329,000	-	-	329,000	32,900
Ford F250 2014	-	-	-	-	42,000	-	-	-	-	-	-	-	42,000	4,200
Doosan Generator G70	-	-	-	-	-	81,000	-	-	-	-	-	-	81,000	8,100
Doosan Generator G325-T4F	-	-	-	-	-	185,000	-	-	-	-	-	-	185,000	18,500
Chevy Silverado 2015	-	-	-	-	-	42,000	-	-	-	-	-	-	42,000	4,200
Emergency repair trailer	-	-	-	-	-	-	-	-	-	-	-	11,000	-	-
Ford F550 2017 with crane assembly install	-	-	-	-	-	-	-	-	89,000	-	-	-	89,000	8,900
Ford F350 2017 with radio	-	-	-	-	-	-	-	-	70,000	-	-	-	70,000	7,000
Closed circuit televised camera	-	-	-	-	-	69,000	-	-	-	-	-	-	69,000	6,900
Replace Odor Scrubber at West Railroad Pump Station	-	-	-	-	-	49,000	-	-	-	-	-	-	49,000	4,900
<b>PLANNED FIRST-TIME ACQUISITIONS</b>														
Water Truck	-	109,000	-	-	-	-	-	-	-	-	-	-	109,000	10,900
2021 Ford Escape Hybrid	-	31,000	-	-	-	-	-	-	-	-	-	42,000	31,000	3,100
<b>REPLACEMENT OF FUTURE ACQUISITIONS</b>														
REPLACEMENT of Closed circuit televised camera	-	-	-	-	-	-	-	-	-	80,000	-	-	80,000	8,000
REPLACEMENT of Replace Odor Scrubber at West Ra	-	-	-	-	-	-	-	-	-	57,000	-	-	57,000	5,700
<b>PLANNED PURCHASES</b>	<b>535,000</b>	<b>140,000</b>	<b>-</b>	<b>34,000</b>	<b>576,000</b>	<b>382,000</b>	<b>-</b>	<b>208,000</b>	<b>159,000</b>	<b>329,000</b>	<b>206,963</b>	<b>53,000</b>	<b>2,363,000</b>	<b>236,300</b>
<b>ANNUAL FUND CONTRIBUTION</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>236,300</b>	<b>2,363,000</b>	
<b>FUND BALANCE</b>	<b>1,720,195</b>	<b>1,720,195</b>	<b>1,956,495</b>	<b>2,158,795</b>	<b>1,819,095</b>	<b>1,673,395</b>	<b>1,909,695</b>	<b>1,937,995</b>	<b>2,015,295</b>	<b>1,922,595</b>	<b>1,951,932</b>	<b>2,135,232</b>		

SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 80-YEAR LIFE-CYCLE PROGRAM (GRAVITY SEWERS)

Project	Est. Cost	Projected	Projected	Projected	Projected
		2020-21	2021-22	2022-23	2023-24
Second St, Ida to E St	\$1,300,000			\$100,000	\$1,200,000
Rehabilitation of Gravity Sewer	\$641,853	\$40,000	\$200,000	\$200,000	\$200,000
Miramar and Miraflores	\$1,170,637	\$30,000	\$1,100,000		
2018 Sewer Televising	\$426,118	\$270,000			
2021 Sewer Televising	\$350,000		\$350,000		
2022 Sewer Televising	\$400,000			\$400,000	
2023 Sewer Televising	\$400,000				\$400,000
Francisco Blvd East at Medway & Vivian	\$742,817	\$700,000			
Sewer Repl for Richmond-SR Bridge Impt	\$923,975	\$70,000	\$850,000		
2020 Sewer Pipe Repair/Repl, ph 1/2/3	\$4,500,000	\$500,000	\$3,500,000	\$500,000	
2021 Sewer Pipe Repair/Repl	\$4,000,000		\$500,000	\$3,500,000	
2022 Sewer Pipe Repair/Repl	\$4,000,000			\$500,000	\$3,500,000
2023 Sewer Pipe Repair/Repl	\$500,000				\$500,000
Rehabilitation of Beach Sewers-Bayside Acres	\$2,175,863	\$170,000	\$750,000	\$1,250,000	
Woodland Pl/Ave & Octavia	\$1,627,985	\$200,000	\$1,350,000		
Third St (Hayes to Ritter)	\$1,944,770	\$130,000	\$1,800,000		
#70-96 Bret Harte Easement	\$3,088,757		\$1,000,000	\$1,000,000	\$1,000,000
Fifth Ave, Ray Ct to Sirard Ln	\$2,000,000			\$300,000	\$1,700,000
Miscellaneous Projects	\$600,000	\$0	\$200,000	\$200,000	\$200,000
<b>TOTAL EXPENDITURES (hide for rounding)</b>		<b>\$2,110,000</b>	<b>\$11,600,000</b>	<b>\$7,950,000</b>	<b>\$8,700,000</b>
Rounding		\$0	\$0	\$100,000	\$1,200,000
<b>TOTAL EXPENDITURES</b>		<b>\$2,110,000</b>	<b>\$11,600,000</b>	<b>\$7,950,000</b>	<b>\$8,700,000</b>

Beginning Fund Balance	\$16,020,814	\$18,810,814	\$12,110,814	\$9,060,814
Transfers In from Operation	\$4,900,000	\$4,900,000	\$4,900,000	\$4,900,000
Estimated Expense	(\$2,110,000)	(\$11,600,000)	(\$7,950,000)	(\$8,700,000)
Ending Balance	\$18,810,814	\$12,110,814	\$9,060,814	\$5,260,814

SAN RAFAEL SANITATION DISTRICT  
 BUDGET - FISCAL YEARS ENDING JUNE 30, 2022 AND 2023  
 SUPPORTING SCHEDULE  
 PUMP STATION & FORCE MAIN CAPITAL IMPROVEMENT PROGRAM

Project	Est. Cost	Estimated	Projected	Projected
		2020-21	2021-22	2022-23
<b>CAPITAL IMPROVEMENT PROJECTS</b>				
Force Main Condition Assessment	\$383,148	\$62,000	\$100,000	\$100,000
N. Francisco & WRR Pump Station	\$2,500,000		\$1,000,000	\$1,500,000
South Francisco Pump Station	\$2,389,649	\$1,466,000		
Third Street & Fiberglass Pump Station	\$2,340,000	\$40,000	\$1,300,000	\$1,000,000
ARV at Harbor	\$280,000	\$80,000	\$200,000	
Isolation Valve Replacement	\$600,000	\$125,000	\$475,000	
Miscellaneous projects	\$400,000		\$200,000	\$200,000
<b>TOTAL CAPITAL EXPENDITURES</b>		<b>\$1,773,000</b>	<b>\$3,275,000</b>	<b>\$2,800,000</b>

Beginning Fund Balance	\$5,856,385	6,083,385	\$4,808,385
Transfers In from Operation	\$2,000,000	\$2,000,000	\$2,000,000
Estimated Expense	(\$1,773,000)	(\$3,275,000)	(\$2,800,000)
Ending Balance	\$6,083,385	\$4,808,385	\$4,008,385

SAN RAFAEL SANITATION DISTRICT

SUPPORTING SCHEDULE  
NET POSITION DESIGNATED FOR WORKING CAPITAL

	2021-22		2022-23	
	Year	July - Dec	Year	July - Dec
<b>Budgeted Expenditures for subsequent period</b>				
Supplies and services	\$ 4,647,217	\$ 2,324,000	\$ 4,787,000	\$ 2,394,000
CMSA Treatment	5,861,950	2,931,000	6,038,000	3,019,000
CMSA Debt Service	2,144,355	1,673,000	2,209,000	1,741,000
<hr/>				
Total designation for subsequent year expenditures to be made before December apportionment		<u>\$ 6,928,000</u>		<u>\$ 7,154,000</u>

5.a.

**SAN RAFAEL SANITATION DISTRICT**  
*Agenda Item No. 5.a.*

**DATE:** July 1, 2021  
**TO:** Board of Directors, San Rafael Sanitation District  
**PREPARED BY:** David Nicholson, Senior Civil Engineer  
**APPROVED BY:** Doris Toy, District Manager/District Engineer  
**SUBJECT:** **Report on Bid Opening for the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project and Adopt Resolution to Award Contract**

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**RECOMMENDATION:**

Adopt resolution awarding contract to Bay Pacific Pipelines, Inc., for the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project in the amount of \$754,692.00.

**BACKGROUND:**

The Francisco Boulevard East and Grange Avenue Sewer and Storm Drain Project proposes to replace and realign an existing 12-inch and 10-inch vitrified clay pipe (VCP) sewer main from a point approximately 50 feet west of the Grange Avenue intersection, fronting 2031 Francisco Boulevard East, to the manhole fronting 2165 Francisco Blvd East, totaling approximately 960 feet. The existing VCP was found to be aging and has a flat slope with a sag resulting in frequent and difficult maintenance. Additionally, per the request of the City Department of Public Works, the project comprises the replacement of approximately 220 feet of storm drain pipe extending eastward from Grange Avenue and parallel to the existing sewer main.

While conducting pre-design investigations, the District’s design engineer, Nute Engineering, identified a misaligned portion of the existing sewer within a storm drain manhole located in the intersection of Francisco Boulevard East and Grange Avenue. This project will correct this misalignment while installing two new manholes to accommodate future access and maintenance.

This project is on a short timeline, as a sidewalk/bike lane project in the same location is planned by Caltrans and the Bay Area Toll Authority (BATA). This sidewalk/bike lane project connects the existing pedestrian/bike lane on the San Rafael-Richmond Bridge to Sir Francis Drake Boulevard and points within the City of San Rafael. It is proposed to begin shortly following completion of the District’s sewer and storm drain project.

In May of 2021, the District published a notice inviting bids for the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project, and bids were opened on June 25, 2021. Included in the bid is an Additive Alternate Bid Form to replace the upper laterals in the event that we are able to improve the slope of the new sewer.



The following is the Engineer's Estimate and a list of the bids received:

	Base Bid	Alternate	Total Bid
Engineer's Estimate	\$795,616.00	\$44,346.00	\$839,962.00
<b>Bay Pacific Pipelines, Inc.</b>	<b>\$730,492.00</b>	<b>\$24,200.00</b>	<b>\$754,692.00</b>
W.R. Forde Associates, Inc.	\$746,212.00	\$43,600.00	\$789,812.00
APB General Engineering, Inc.	\$764,595.00	\$24,500.00	\$789,095.00
Ghilotti Construction Company	\$770,245.00	\$61,320.00	\$831,565.00
K.J. Woods Construction, Inc.	\$805,600.00	\$18,400.00	\$824,000.00
Maggiore & Ghilotti, Inc.	\$908,624.00	\$92,800.00	\$1,001,424.00
Kerex Engineering, Inc.	\$998,820.00	\$45,600.00	\$1,044,420.00

Please see the attached bid summary for an itemized breakdown of the items.

### **ANALYSIS:**

The Engineer's Estimate for the base bid was \$795,616.00 with an alternate bid of \$44,346.00. With a base bid of \$730,492.00 and alternate bid of \$24,200.00, Bay Pacific Pipelines, Inc., was the lowest responsible bidder for this project.

The District's design consultant, Nute Engineering, Inc., has reviewed the bids and acknowledges that some of the bid prices were lower than its Engineer's Estimate. They believe that this is due to the competitive bidding market and lack of infrastructure construction projects. District staff has reviewed Bay Pacific Pipelines' bid and recommends that this project be awarded to Bay Pacific Pipelines, Inc.

### **FISCAL IMPACT:**

Bay Pacific's total bid amount is \$754,692.00. This construction project will be funded under the 80-Year Life Cycle Sewer Replacement Program from the FY 2021-22 Budget. The City of San Rafael will reimburse the District for the storm drain portion of the work, which is approximately \$61,180.00.

### **OPTIONS:**

- 1) Staff recommends that the Board award the contract to Bay Pacific Pipelines, Inc.
- 2) The Board may reject all bids and rebid the project. Staff does not recommend this option since this will delay construction, which would delay the Caltrans/BATA project that is scheduled to follow. If this project is not approved at this time, it will be delayed indefinitely pending a construction moratorium likely to be imposed by Caltrans/BATA.

### **ACTION REQUIRED:**

Staff recommends that the Board adopt the resolution awarding contract to Bay Pacific Pipelines, Inc., for the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project, in the amount of \$754,692.00.

Attachments:

1. Bid Summary
2. Resolution

**SAN RAFAEL SANITATION DISTRICT  
MARIN COUNTY, CALIFORNIA  
FRANCISCO BLVD EAST AT GRANGE AVE SEWER AND STORM DRAIN REPAIR PROJECT  
BID RESULTS SUMMARY**

**Bid Opening: 10:00 AM  
June 25, 2021**

**Engineer's Est: \$795,616  
Engineer's Est + Alt: \$839,962**

ITEM NO.	QTY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		1 Bay Pacific Pipeline, Inc.		2 W.R. Forde Associates, Inc.		3 APB General Engineering		4 Ghilotti Construction Company		5 K.J. Woods Construction, Inc.		6 Maggiara & Ghilotti, Inc.		7 Kerex Engineering, Inc.	
				UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT
1.	1	LS	Mob/Demob, SWPPP, Permits & Licenses	\$33,800	\$33,800	\$25,000	\$25,000	\$35,000	\$35,000	\$35,000	\$35,000	\$36,000	\$36,000	\$38,000	\$38,000	\$45,000	\$45,000	\$65,000	\$65,000
2.	232	LF	Francisco Blvd East at Grange Ave - Install New 12" PVC C-900 sewer - STA 0+00 to STA 2+32	\$320	\$74,240	\$260	\$60,320	\$343	\$79,576	\$320	\$74,240	\$263	\$61,016	\$350	\$81,200	\$375	\$87,000	\$390	\$90,480
3.	730	LF	Francisco Blvd East - Install new 10" PVC C-900 Sewer - STA 2+32 to STA 9+62	\$290	\$211,700	\$250	\$182,500	\$315	\$229,950	\$310	\$226,300	\$256	\$186,880	\$320	\$233,600	\$375	\$273,750	\$350	\$255,500
4.	20	LF	Grange Ave - Install New 8" PVC C-900 Sewer	\$250	\$5,000	\$250	\$5,000	\$300	\$6,000	\$300	\$6,000	\$290	\$5,800	\$340	\$6,800	\$600	\$12,000	\$1,000	\$20,000
5.	7	EA	4' Diameter Standard Manhole	\$6,500	\$45,500	\$3,000	\$21,000	\$6,000	\$42,000	\$7,500	\$52,500	\$8,300	\$58,100	\$8,000	\$56,000	\$8,500	\$59,500	\$10,000	\$70,000
6.	6	EA	Remove Existing Manholes	\$1,300	\$7,800	\$2,000	\$12,000	\$3,000	\$18,000	\$1,000	\$6,000	\$340	\$2,040	\$1,000	\$6,000	\$6,000	\$36,000	\$4,500	\$27,000
7.	6	EA	Live Lateral Determination	\$450	\$2,700	\$500	\$3,000	\$300	\$1,800	\$1,000	\$6,000	\$475	\$2,850	\$100	\$600	\$750	\$4,500	\$900	\$5,400
8.	6	EA	Field Locate Live Upper Lateral in Private Property by Pothing	\$1,200	\$7,200	\$500	\$3,000	\$1,500	\$9,000	\$1,000	\$6,000	\$195	\$1,170	\$500	\$3,000	\$700	\$4,200	\$900	\$5,400
9.	6	EA	Field Locate Existing Live Lower Laterals by Pothing	\$1,200	\$7,200	\$500	\$3,000	\$800	\$4,800	\$1,000	\$6,000	\$195	\$1,170	\$500	\$3,000	\$350	\$2,100	\$900	\$5,400
10.	6	EA	6" Lateral Two-Way Cleanout, Relief Valve and Cleanout Boxes	\$3,000	\$18,000	\$2,000	\$12,000	\$3,500	\$21,000	\$1,300	\$7,800	\$3,200	\$19,200	\$1,500	\$9,000	\$3,500	\$21,000	\$2,000	\$12,000
11.	60	LF	Replace 6" Lower Lateral, Fittings & Connections	\$150	\$9,000	\$150	\$9,000	\$250	\$15,000	\$145	\$8,700	\$435	\$26,100	\$100	\$6,000	\$480	\$28,800	\$500	\$30,000
12.	2	EA	Lateral 6" Drop Connection	\$2,500	\$5,000	\$1,500	\$3,000	\$2,500	\$5,000	\$1,800	\$3,600	\$1,000	\$2,000	\$500	\$1,000	\$4,000	\$8,000	\$7,000	\$14,000
13.	230	LF	Francisco Blvd East at Grange Ave - Install New 12" PVC C-900 Storm Drain Pipe - STA 0+00 to STA 2+30	\$300	\$69,000	\$250	\$57,500	\$345	\$79,350	\$275	\$63,250	\$235	\$54,050	\$350	\$80,500	\$325	\$74,750	\$450	\$103,500
14.	1	LS	Remove Existing Sewer Pipe From Grange Ave Storm Drain Manhole - Connect New Storm Drain Pipe to Manhole Barrel	\$4,000	\$4,000	\$4,500	\$4,500	\$1,500	\$1,500	\$2,500	\$2,500	\$1,100	\$1,100	\$2,000	\$2,000	\$3,000	\$3,000	\$3,500	\$3,500
15.	20	LF	Curb and Gutter Replacement	\$80	\$1,600	\$75	\$1,500	\$80	\$1,600	\$100	\$2,000	\$105	\$2,100	\$194	\$3,880	\$50	\$1,000	\$200	\$4,000
16.	2	EA	Remove Concrete ADA Ramp. Replace with Hot-Mix Asphalt ADA Ramp	\$25	\$50	\$5,000	\$10,000	\$6,000	\$12,000	\$3,500	\$7,000	\$4,400	\$8,800	\$3,700	\$7,400	\$2,500	\$5,000	\$9,000	\$18,000
17.	3660	SF	Temporary Hot-Mix Asphalt AC Berm and Sidewalk Detail 2/3	\$30	\$109,800	\$35	\$128,100	\$6	\$21,960	\$25	\$91,500	\$26	\$95,160	\$19	\$68,625	\$17	\$62,200	\$18	\$65,880
18.	840	SF	Temporary Hot-Mix Asphalt Driveway Approach	\$30	\$25,200	\$35	\$29,400	\$5	\$4,200	\$28	\$23,520	\$5	\$4,200	\$17	\$14,280	\$30	\$25,200	\$20	\$16,800
19.	1	LS	Remove and Dispose of Existing 36" Dia Eucalyptus Tree	\$3,000	\$3,000	\$2,500	\$2,500	\$12,000	\$12,000	\$45	\$3,600	\$7,940	\$7,940	\$7,055	\$7,055	\$9,500	\$9,500	\$10,000	\$10,000
20.	1	LS	Temporary Removal and Reinstallation of Street Light (STA 1+00)	\$7,000	\$7,000	\$11,000	\$11,000	\$12,000	\$12,000	\$12,000	\$12,000	\$10,975	\$10,975	\$11,000	\$11,000	\$6,500	\$6,500	\$20,000	\$20,000
21.	80	SF	Concrete Sidewalk and Driveway Approach Replacement	\$25	\$2,000	\$40	\$3,200	\$18	\$1,440	\$187.5	\$15,000	\$62	\$4,960	\$40	\$3,200	\$75	\$6,000	\$50	\$4,000
22.	10	CY	Hard Rock and/or Buried Concrete Excavation	\$100.00	\$1,000	\$200	\$2,000	\$200	\$2,000	\$450	\$4,500	\$190	\$1,900	\$300	\$3,000	\$1	\$10	\$1,200	\$12,000
23.	15	TN	Asphalt Concrete Trench Repair	\$150.00	\$2,250	\$350	\$5,250	\$300	\$4,500	\$175	\$2,625	\$1,000	\$15,000	\$300	\$4,500	\$600	\$9,000	\$500	\$7,500
24.	1	LS	Replace Pavement Markings Including Restoration per Appendix F (Bike Path)	\$12,000.00	\$12,000	\$40,000	\$40,000	\$14,000	\$14,000	\$6,500	\$6,500	\$13,500	\$13,500	\$20,000	\$20,000	\$18,000	\$18,000	\$10,000	\$10,000
25.	1	LS	Shoring for all Excavations	\$12,000.00	\$12,000	\$10,000	\$10,000	\$10,000	\$10,000	\$8,000	\$8,000	\$8,000	\$8,000	\$60,000	\$60,000	\$14,859	\$14,859	\$40,000	\$40,000
26.	16	EA	Pothole Utility Mains	\$500.00	\$8,000	\$400	\$6,400	\$800	\$12,800	\$500	\$8,000	\$590	\$9,440	\$500	\$8,000	\$600	\$9,600	\$50	\$800
27.	Traffic Control and Notifications (Sum of 27a - 27g)				\$29,000		\$24,750		\$44,000		\$35,000		\$84,600		\$26,500		\$42,000		\$32,000
27a.	1	LS	Traffic Control Plan	\$8,000.00	\$8,000	\$5,000	\$5,000	\$3,500	\$3,500	\$2,500	\$2,500	\$14,000	\$14,000	\$1,500	\$1,500	\$4,000	\$4,000	\$2,500	\$2,500
27b.	1	LS	Pedestrian Access Plan	\$1,000	\$1,000	\$5,000	\$5,000	\$2,000	\$2,000	\$2,500	\$2,500	\$600	\$600	\$500	\$500	\$4,000	\$4,000	\$2,500	\$2,500
27c.	1	LS	Solid Barrier	\$13,000.00	\$13,000	\$5,000	\$5,000	\$13,000	\$13,000	\$11,000	\$11,000	\$20,000	\$20,000	\$5,000	\$5,000	\$10,000	\$10,000	\$7,500	\$7,500
27d.	1	LS	Barrier Fence	\$2,500.00	\$2,500	\$3,000	\$3,000	\$8,000	\$8,000	\$12,000	\$12,000	\$2,300	\$2,300	\$2,000	\$2,000	\$5,000	\$5,000	\$5,000	\$5,000
27e.	1	LS	Flaggers, Including Pedestrian Flaggers	\$2,000.00	\$2,000	\$2,500	\$2,500	\$12,000	\$12,000	\$5,000	\$5,000	\$45,000	\$45,000	\$15,000	\$15,000	\$5,000	\$5,000	\$10,000	\$10,000
27f.	1	LS	Signage	\$2,000.00	\$2,000	\$4,000	\$4,000	\$2,000	\$2,000	\$1,000	\$1,000	\$1,200	\$1,200	\$2,000	\$2,000	\$12,000	\$12,000	\$2,500	\$2,500
27g.	1	LS	Public Notification	\$500.00	\$500	\$250	\$250	\$3,500	\$3,500	\$1,000	\$1,000	\$1,500	\$1,500	\$500	\$500	\$2,000	\$2,000	\$2,000	\$2,000
28.	1192	LF	Internal Televising of Sewer Mains and Storm Drains	\$3.00	\$3,576	\$16	\$19,072	\$8	\$9,536	\$5	\$5,960	\$7	\$8,344	\$5	\$5,960	\$3	\$3,576	\$5	\$5,960
29.	100	LF	Internal Televising of Completed Laterals	\$150.00	\$15,000	\$15	\$1,500	\$12	\$1,200	\$5	\$500	\$475	\$2,850	\$5	\$500	\$260	\$1,560	\$25	\$2,500
30.	1	LS	As-Built Drawings	\$5,000.00	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
31.	1	LS	Changed Conditions Allowance	\$30,000.00	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
<b>TOTAL BASE BID - ITEMS 1 THROUGH 31 INCLUSIVE:</b>					<b>\$795,616</b>		<b>\$730,492</b>		<b>\$746,212</b>		<b>\$764,595</b>		<b>\$770,245</b>		<b>\$805,600</b>		<b>\$908,605</b>		<b>\$998,820</b>

**ADDITIVE ALTERNATE BID FORM**

Item No.	Qu.	U/M	Description	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount		
A-1	160	LF	Replace 6" Upper Lateral, Fittings and Connections	\$244	\$38,971	\$125	\$20,000	\$250	\$40,000	\$140	\$22,400	\$330	\$52,800	\$100	\$16,000	\$550	\$88,000	\$210	\$33,600
A-2	12	TN	Asphalt Concrete Upper Lateral Trench Repair	\$448	\$5,374	\$350	\$4,200	\$300	\$3,600	\$175	\$2,100	\$710	\$8,520	\$200	\$2,400	\$400	\$4,800	\$1,000	\$12,000
<b>TOTAL ADDITIVE ALTERNATE BID, ITEMS A-1 AND A-2 INCLUSIVE:</b>					<b>\$44,346</b>		<b>\$24,200</b>		<b>\$43,600</b>		<b>\$24,500</b>		<b>\$61,320</b>		<b>\$18,400</b>		<b>\$92,800</b>		<b>\$45,600</b>
<b>TOTAL BASE BID AND ALTERNATE BID, ALL ITEMS INCLUSIVE:</b>					<b>\$839,962</b>		<b>\$754,692</b>		<b>\$789,812</b>		<b>\$789,095</b>		<b>\$831,565</b>		<b>\$824,000</b>		<b>\$1,001,405</b>		<b>\$1,044,420</b>

Note: Cells and numbers appearing in red were entered as they appear in the bidder's sheet, but appear to be calculated incorrectly on the submitted bid sheet.

**SAN RAFAEL SANITATION DISTRICT**

**RESOLUTION NO. 21-1233**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SAN RAFAEL SANITATION DISTRICT  
AWARDING CONTRACT TO BAY PACIFIC PIPELINES, INC.  
FOR THE FRANCISCO BOULEVARD EAST AT GRANGE AVENUE  
SEWER AND STORM DRAIN PROJECT**

**WHEREAS**, sealed bids or proposals were received by the San Rafael Sanitation District for the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project, and all such bids were publicly opened, examined, and declared; and

**WHEREAS**, the bid or proposal of Bay Pacific Pipelines, Inc., at the quotation stated in their bid, was and is the lowest responsible bid or proposal; and

**WHEREAS**, the District's consulting engineer, Nute Engineering, after review and evaluation, has recommended award of the contract to Bay Pacific Pipelines, Inc.

**NOW, THEREFORE, IT IS HEREBY RESOLVED** that the Chair and Secretary are authorized to execute a contract on behalf of the San Rafael Sanitation District with Bay Pacific Pipelines, Inc., for construction of the Francisco Boulevard East at Grange Avenue Sewer and Storm Drain Project, in accordance with the terms, specifications, and general provisions of said bid or proposal.

**BE IT FURTHER RESOLVED** that all other bids or proposals are hereby rejected, and the District Manager/District Engineer is directed to return all accompanying certified checks, cash, and bonds of said unsuccessful bidders.

**PASSED AND ADOPTED** at a regular meeting of the San Rafael Sanitation District Board of Directors held on the 1st day of July 2021 by the following vote, to wit:

**AYES:**

**NOES:**

**ABSENT:**

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**Kate Colin, Chair**

**ATTEST:**

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**Maribeth Bushey, Secretary**

5.b.

**SAN RAFAEL SANITATION DISTRICT**  
*Agenda Item No. 5.b.*

**DATE:** July 1, 2021

**TO:** Board of Directors, San Rafael Sanitation District

**PREPARED BY:** Kris Ozaki, Operations and Maintenance Manager

**APPROVED BY:** Doris Toy, District Manager/District Engineer

**SUBJECT:** **Adopt Resolution Authorizing the District Manager/District Engineer to Execute a Professional Services Agreement with Tesco Controls, Inc., to Upgrade the Bret Harte Pump Station Programmable Logic Controller (PLC)**

---

**RECOMMENDATION:**

Adopt resolution authorizing the District Manager/District Engineer to execute a Professional Services Agreement with Tesco Controls, Inc., to upgrade the Bret Harte Pump Station programmable logic controller (PLC).

**BACKGROUND:**

The Bret Harte Pump Station (BHPS) is located at the northwest corner of Woodland Avenue and Du Bois Street. The original date of construction for BHPS is unknown, but it has gone through two major upgrades, one in 1958 and another in 1994 where it stands in its current condition. BHPS consists of three submersible 30-HP Flygt pumps and receives sewage from the Bret Harte neighborhood and surrounding businesses. In its current status, this pump station works exceedingly well with one exception, the programmable logic controller (PLC).

In the early 90's, the MicroMac 2300 made by Control Manufacturing Company was the standard level controller for wastewater and stormwater pump stations as well as various other industries. It was simple to operate and nearly bulletproof. The company was eventually sold, and the MicroMac line was discontinued.

Roughly six months ago, our crews were performing their annual preventive maintenance to the pumps. When we complete this type of work, we will take the pump out of service to inspect the parts for wear and change the oil. In the process of removing a pump from service, we must change the alternation in the programming on the level controller. When the crew attempted to do this, they were unable to access the program.

**ANALYSIS:**

The MicroMac at BHPS continues to work today, but we are now unable to make changes to the program, as the keypad has stopped working. The BHPS can run off float

control in the event that the MicroMac fails, but we have been lucky that it is still working. Float control happens when the level in the wet well reaches a certain height and trips a float. This float then sends a signal to all three pumps to start and pump down the well. The float also sends an alarm to notify SRSD personnel of high-water conditions. CMSA would most likely call the District, as they would see a dramatic increase in water volume over a short period of time (which they would not like).

I initially reached out to WorkSmart Automation to see if they could replace the MicroMac with an Allen-Bradley PLC and HMI (Human-Machine Interface) as well as SCADA (Supervisory Control and Data Acquisition). WorkSmart Automation has worked with us on several of our recent pump station upgrades with HMI and SCADA programming. WorkSmart replied that this type of work would involve more than their normal programming and would involve design, removal of old equipment, and installation of new equipment. WorkSmart asked if they could reach out to Tesco Controls to design and rehab the current control panel and stated that they would work as a sub for Tesco to manage the programming.

Earlier this month, Tesco presented us with the attached proposal in the amount of \$83,400, including WorkSmart's portion of work. Given that this is to replace necessary equipment to run the BHPS, I feel that this is an emergency situation and that we should move forward to get this job started.

**FISCAL IMPACT:**

This project will be funded under the Operations & Maintenance Fund from the FY 2021-22 Budget.

**ACTION REQUIRED:**

Staff recommends that the Board adopt the resolution authorizing the District Manager/District Engineer to execute a Professional Services Agreement with Tesco Controls, Inc., to upgrade the Bret Harte Pump Station programmable logic controller (PLC).

Attachments: Resolution  
Professional Services Agreement  
Scope of Work and Proposal Budget, Exhibit "A"



**PROFESSIONAL SERVICES AGREEMENT  
TO UPGRADE THE BRET HARTE PUMP STATION  
PROGRAMMABLE LOGIC CONTROLLER (PLC)**

This Agreement is made and entered into this 1st day of July 2021 by and between the SAN RAFAEL SANITATION DISTRICT (hereinafter "DISTRICT"), and *TESCO CONTROLS, INC.* (hereinafter "CONSULTANT").

RECITALS

WHEREAS, the DISTRICT has selected *CONSULTANT* to perform the required engineering related services for the "**Bret Harte Pump Station PLC Upgrade**" (hereinafter "PROJECT"); and

WHEREAS, the CONSULTANT has offered to render certain specialized professional services in connection with this Project.

AGREEMENT

NOW, THEREFORE, the parties hereby agree as follows:

1. SCOPE OF SERVICES

DISTRICT and CONSULTANT have outlined the scope of services to be provided, and related expenses as described in Exhibit "A" attached and incorporated herein.

2. PROJECT COORDINATION

A. DISTRICT. The District Manager/District Engineer shall be the representative of the DISTRICT for all purposes under this Agreement. The Operations and Maintenance Manager is hereby designated as the PROJECT MANAGER for the DISTRICT and said PROJECT MANAGER shall supervise all aspects of the progress and execution of this Agreement.

B. CONSULTANT. CONSULTANT shall assign a single PROJECT DIRECTOR to have overall responsibility for the progress and execution of this Agreement for CONSULTANT. *RICHARD MARTINEZ* is hereby designated as the PROJECT DIRECTOR for CONSULTANT. Should circumstances or conditions subsequent to the execution of this Agreement require a substitute PROJECT DIRECTOR for any reason, the CONSULTANT shall notify the DISTRICT within ten (10) business days of the substitution.

3. DUTIES OF CONSULTANT

CONSULTANT shall perform the duties and/or provide services as follows; the CONSULTANT agrees to provide professional services as an Engineering Consultant to prepare work outlined in the Proposal from CONSULTANT dated June 1, 2021, marked Exhibit "A", attached hereto, and incorporated herein by this reference. The CONSULTANT agrees to be available and perform the work specified in this agreement in the time frame as specified and as shown in Exhibit "A".

4. DUTIES OF THE DISTRICT

DISTRICT shall perform the duties as described and incorporated herein.

5. COMPENSATION

For the full performance of the services described herein by CONSULTANT, DISTRICT shall pay CONSULTANT a lump-sum amount for services rendered in accordance with the rates shown on the current fee schedule as described in Exhibit "A" attached and incorporated herein. The total payment will not exceed \$83,400.00.

Payment will be made monthly upon receipt by PROJECT MANAGER of itemized invoices submitted by CONSULTANT.

6. TERM OF AGREEMENT

The term of this Agreement shall be from the date of execution until the Project is complete.

7. TERMINATION

A. Discretionary. Either party may terminate this Agreement without cause upon thirty (30) days written notice mailed or personally delivered to the other party.

B. Cause. Either party may terminate this Agreement for cause upon ten (10) days written notice mailed or personally delivered to the other party, and the notified party's failure to cure or correct the cause of the termination notice, to the reasonable satisfaction of the party giving such notice, within thirty (30) days of the receipt of said notice.

C. Effect of Termination. Upon receipt of notice of termination, neither party shall incur additional obligations under any provision of this Agreement without the prior written consent of the other. However, CONSULTANT'S duties and obligation in Sections 11 and 12 hereunder shall survive the expiration or termination of this Agreement.

D. Return of Documents. Upon termination, any and all DISTRICT documents or materials provided to CONSULTANT and any and all of CONSULTANT'S documents and materials prepared for or relating to the performance of its duties under this Agreement, shall be delivered to DISTRICT as soon as possible, but not later than thirty (30) days after termination.

8. OWNERSHIP OF DOCUMENTS

The written documents and materials prepared by the CONSULTANT in connection with the performance of its duties under this Agreement shall be the sole property of DISTRICT. DISTRICT may use said property for any purpose, including projects not contemplated by this Agreement.

9. INSPECTION AND AUDIT

Upon reasonable notice, CONSULTANT shall make available to DISTRICT, or its agent, for inspection and audit, all documents and materials maintained by CONSULTANT in connection with its performance of its duties under this Agreement. CONSULTANT shall fully cooperate with DISTRICT or its agent in any such audit or inspection.

10. ASSIGNABILITY

The parties agree that they shall not assign or transfer any interest in this Agreement nor the performance of any of their respective obligations hereunder, without the prior written consent of the other party, and any attempt to so assign this Agreement or any rights, duties or obligations arising hereunder shall be void and of no effect.

11. INSURANCE

A. During the term of this Agreement, CONSULTANT shall maintain, at no expense to DISTRICT, the following insurance policies:

1. A commercial general liability insurance policy in the minimum amount of one million (\$1,000,000) dollars per occurrence and \$2,000,000 aggregate for death, bodily injury, personal injury, or property damage;

2. An automobile liability (owned, non-owned, and hired vehicles) insurance policy in the minimum amount of one million (\$1,000,000) dollars per occurrence;

3. If any licensed professional performs any of the services required to be performed under this Agreement, a professional liability insurance policy in the minimum amount of one million (\$1,000,000) dollars to cover any claims arising out of the CONSULTANT's performance of services under this Agreement.

B. The insurance coverage required of the CONSULTANT by Section 11. A., shall also meet the following requirements:

1. The insurance shall be primary with respect to any insurance or coverage maintained by DISTRICT and shall not call upon DISTRICT's insurance or coverage for any contribution;

2. Except for professional liability insurance, the insurance policies shall be endorsed for contractual liability and personal injury;

3. Except for professional liability insurance, the insurance policies shall be specifically endorsed to include the DISTRICT, its officers, agents, and employees as additionally named insureds under the policies;

4. CONSULTANT shall provide to PROJECT MANAGER, (a) Certificates of Insurance evidencing the insurance coverage required herein, and (b) specific endorsements naming DISTRICT, its officers, agents and employees, as additional insureds under the policies;

5. The insurance policies shall provide that the insurance carrier shall not cancel or terminate said insurance policies except upon thirty (30) days written notice to DISTRICT's PROJECT MANAGER;

6. If the insurance is written on a Claims Made Form, then, following termination of this Agreement, said insurance coverage shall survive for a period of not less than five years as long as the insurance is reasonably affordable and available;

7. The insurance policies shall provide for a retroactive date of placement coinciding with the effective date of this Agreement;

8. The insurance shall be approved as to form and sufficiency by PROJECT MANAGER and the County Counsel.

C. If it employs any person, CONSULTANT shall maintain Workers' Compensation and Employer's Liability Insurance, as required by the State Labor Code and other applicable laws and regulations, and as necessary to protect both CONSULTANT and DISTRICT against all liability for injuries to CONSULTANT's officers and employees.

D. Any deductibles or self-insured retentions exceeding \$20,000 in CONSULTANT's insurance policies must be declared to and approved by the PROJECT MANAGER and the County Counsel. At DISTRICT's option, the deductibles or self-insured retentions with respect to DISTRICT shall be reduced or eliminated to DISTRICT's satisfaction, or CONSULTANT shall procure a bond guaranteeing payment of losses and related investigations, claims administration, attorney's fees, and defense expenses.

12. INDEMNIFICATION

CONSULTANT shall indemnify, release, and hold harmless DISTRICT, its officers, and employees against any claim, demand, suit, judgment, loss, liability, or expense of any kind, including attorney's fees, arising out of or resulting in any way from any acts or omissions, negligent or otherwise, of CONSULTANT or CONSULTANT's officers, agents, and employees in the performance of their duties and obligations under this Agreement.

13. NONDISCRIMINATION

CONSULTANT shall not discriminate, in any way, against any person on the basis of age, sex, race, color, religion, ancestry, national origin or disability in connection with or related to the performance of its duties and obligations under this Agreement.

14. COMPLIANCE WITH ALL LAWS

CONSULTANT shall use due professional care to observe and comply with all applicable Federal, State and local laws, ordinances, codes, and regulations in the performance of its duties and obligations under this Agreement. CONSULTANT shall perform all services under this Agreement in accordance with these laws, ordinances, codes, and regulations.

15. NO THIRD-PARTY BENEFICIARIES

DISTRICT and CONSULTANT do not intend, by any provision of this Agreement, to create in any third party any benefit or right owed by one party, under the terms and conditions of this Agreement, to the other party.

16. NOTICES

All notices and other communications required or permitted to be given under this Agreement, including any notice of change of address, shall be in writing and given by personal delivery or deposited with the United States Postal Service, postage prepaid, addressed to the parties intended to be notified. Notice shall be deemed given as of the date of personal delivery or, if mailed, upon the date of deposit with the United States Postal Service. Notice shall be given as follows:

TO DISTRICT: Mr. Kris Ozaki (Project Manager)  
San Rafael Sanitation District  
111 Morphew Street  
San Rafael, CA 94901

TO CONSULTANT: Mr. Richard Martinez (Project Director)  
Tesco Controls, Inc.  
P.O. Box 299007  
Sacramento, CA 95829

17. INDEPENDENT CONSULTANT

For the purposes and for the duration of this Agreement, CONSULTANT, its officers, agents, and employees shall act in the capacity of an Independent Contractor, and not as employees of the DISTRICT. CONSULTANT and DISTRICT expressly intend and agree that the status of CONSULTANT, its officers, agents, and employees be that of an Independent Contractor and not that of an employee of DISTRICT.

18. ENTIRE AGREEMENT -- AMENDMENTS

A. The terms and conditions of this Agreement, all exhibits attached, and all documents expressly incorporated by reference represent the entire Agreement of the parties with respect to the subject matter of this Agreement.

B. This written Agreement shall supersede any and all prior agreements, oral or written, regarding the subject matter between the CONSULTANT and the DISTRICT.

C. No other agreement, promise, or statement, written or oral, relating to the subject matter of this Agreement shall be valid or binding except by way of a written amendment to this Agreement.

D. The terms and conditions of this Agreement shall not be altered or modified except by a written amendment to this Agreement signed by the CONSULTANT and the DISTRICT.

E. If any conflicts arise between the terms and conditions of this Agreement and the terms and conditions of the attached exhibits or the documents expressly incorporated by reference, the terms and conditions of this Agreement shall control.

19. SET-OFF AGAINST DEBTS

CONSULTANT agrees that DISTRICT may deduct from any payment due to CONSULTANT under this Agreement any monies which CONSULTANT owes DISTRICT under any ordinance, agreement, contract, or resolution for any unpaid taxes, fees, licenses, assessments, unpaid checks, or other amounts.

20. WAIVERS

The waiver by either party of any breach or violation of any term, covenant, or condition of this Agreement or of any ordinance, law, or regulation, shall not be deemed to be a waiver of any other term, covenant, condition, ordinance, law, or regulation or of any subsequent breach or violation of the same or other term, covenant, condition, ordinance, law or regulation. The subsequent acceptance by either party of any fee, performance, or other consideration which may become due or owing under this Agreement, shall not be deemed to be a waiver of any preceding breach or violation by the other party of any term, condition, or covenant of this Agreement or any applicable law, ordinance, or regulation.

21. CITY BUSINESS LICENSE/OTHER TAXES

CONSULTANT shall obtain and maintain during the duration of this Agreement a CITY business license as required by the San Rafael Municipal Code. CONSULTANT shall pay any and all State and Federal taxes and any other applicable taxes. CONSULTANT's taxpayer identification number is 94-2218097, and CONSULTANT certifies under penalty of perjury that said taxpayer identification number is correct.

22. APPLICABLE LAW

The laws of the State of California shall govern this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day, month and year first above written.

SAN RAFAEL SANITATION DISTRICT

CONSULTANT

\_\_\_\_\_  
Doris Toy, P.E.  
District Manager/District Engineer

TESCO CONTROLS, INC.

APPROVED AS TO FORM:

By: \_\_\_\_\_  
Delven Diaz

\_\_\_\_\_  
Kerry Laiw Gerchow  
Deputy County Counsel

Title: Sales Manager



**SAN RAFAEL SANITATION DISTRICT**

**RESOLUTION NO. 21-1234**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SAN RAFAEL SANITATION DISTRICT  
AUTHORIZING THE DISTRICT MANAGER/DISTRICT ENGINEER  
TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH  
TESCO CONTROLS, INC., FOR ENGINEERING RELATED SERVICES  
FOR THE BRET HARTE PUMP STATION PLC UPGRADE  
FOR AN AMOUNT NOT TO EXCEED \$83,400.00**

**THE BOARD OF DIRECTORS OF THE SAN RAFAEL SANITATION DISTRICT,  
COUNTY OF MARIN, hereby resolves as follows:**

The District Manager/District Engineer is hereby authorized to execute, on behalf of the San Rafael Sanitation District, a Professional Services Agreement with Tesco Controls, Inc., for engineering related services for the Bret Harte Pump Station PLC Upgrade, a copy of which is hereby attached and by this reference made a part hereof.

**PASSED AND ADOPTED** at a regular meeting of the San Rafael Sanitation District Board of Directors held on the 1st day of July 2021 by the following vote, to wit:

**AYES:**

**NOES:**

**ABSENT/ABSTAIN:**

**SAN RAFAEL SANITATION DISTRICT**

\_\_\_\_\_  
**Kate Colin, Chair**

**ATTEST:**

\_\_\_\_\_  
**Maribeth Bushey, Secretary**



Corporate Office  
8440 Florin Road, Sacramento, CA 95828  
P.O. Box 299007, Sacramento, CA 95829  
PH: 916.395.8800 FX: 916.429.2817

**To:** WorkSmart Automation

**Quote Date:** June 1, 2021

**Attn:** Dan Jones

**Quote No.:** 21E211Q02

**Re:** San Rafael Sanitation District – Bret Harte Pump Station Controls Upgrade,  
Budgetary Estimate

Thank you for your interest in TESCO products, services, and solutions. We are pleased to quote the following scope of work pertaining to the above-referenced project. The scope shall include replacement of the existing MicroMac digital pump controller with the Allen Bradley CompactLogix Programmable Controller. It is understood that the intent is to setup and configure the Pump Station for communication to the District's SCADA system via radio telemetry. The scope shall also include replacement of the existing bubbler system with a submersible level transmitter and installation of radio hardware equipment (antenna mast, antenna, and coaxial cable).

TESCO's scope shall include the following:

- Provide engineering services for proper replacement and operation of new equipment and keep existing pump station controls operational during construction.
- Furnish and install new backpan mounted Allen Bradley 1769-L30ER-NSE CompactLogix 5370 PLC in existing cabinet with enough I/O to operate station.
- Furnish and Install new Allen Bradley PV Plus 7 Performance 10" touch screen.
- Furnish new MDS iNet 900 Ethernet radio and cabling.
- Furnish and Install new antenna, cabling, and antenna mast (onto control cabinet). Antenna direction to be as instructed by the District.
- Furnish and Install new submersible Level Transmitter (bubbler air hose conduit to be re-used for new level transmitter cable).
- Remove and deliver to District, existing Micro Mac Controller
- Remove and deliver to District, existing compressor and bubbler system and associated equipment including level gauge on panel door.
- Furnish and Install cover plates on cabinet door for removed equipment.
- Furnish and Install new name plates where appropriate.
- Provide all wiring, cabling, power, interfacing services for a turn-key replacement of existing controller and bubbler system.
- Keep all other functionality in place to support existing Alarm Panel, cabinet lights, Auto Dialer and other relay logic currently in panel.
- Provide on-site startup services to prove out proper operation of new controller.
- Develop and furnish diagrams and O&M

Item	Qty	Description
1	1	<p><b>Backpan Mounted Programmable Controller Package to Include:</b></p> <ul style="list-style-type: none"> <li>▪ Metal backpan</li> <li>▪ AB CompactLogix Controller (ALB1769L30ER)</li> <li>▪ CompactLogix Power supply</li> <li>▪ Qty. (2) 16 Point digital input modules</li> <li>▪ Qty. (2) 8 Point digital output modules</li> <li>▪ Qty. (1) 4 Point analog input module</li> <li>▪ Pre-wired and labeled terminal strip</li> <li>▪ Multi port Ethernet switch</li> <li>▪ Radio transceiver with pigtail</li> <li>▪ Lightning arrester</li> <li>▪ AB 10" PanelView Plus 7 color touchscreen (field installed)</li> <li>▪ APC 1500 UPS</li> <li>▪ Misc. parts, cover plates, wire, labels, GFI receptacle, etc.</li> <li>▪ Manufacturing Services – assembly, equipment wiring, factory testing</li> </ul>
2	1	<p><b>Telemetry and Field Equipment to Include:</b></p> <ul style="list-style-type: none"> <li>▪ Antenna Mast with weather head (approx. 10')</li> <li>▪ Yagi directional antenna with mounting hardware</li> <li>▪ Antenna feedline (coaxial cable) with connectors</li> <li>▪ Submersible Level Transmitter with required cable and drying tube, including mounting hardware</li> </ul>
3	Lot	<p><b>Professional Services:</b></p> <ul style="list-style-type: none"> <li>▪ Project Management – Project coordination and cut-over plan</li> <li>▪ Engineering – Revised schematics, submittals and O&amp;M's</li> <li>▪ Field Service – Removal of controller, air compressor &amp; associated hardware including panel mounted components, PLC, antenna and level transmitter installation, terminations, labeling, calibrations, field testing, and startup</li> </ul> <p><b>Integration Services to Include:</b></p> <ul style="list-style-type: none"> <li>▪ Programming of new AB CompactLogix PLC and new AB Panelview OIT</li> <li>▪ Setup and test new iNet Radio Transceiver, establish connectivity to SCADA and test</li> <li>▪ SCADA configuration to include new SCADA screens, alarms and trends</li> <li>▪ Configure new TopView alarms for on call alarm notification</li> <li>▪ Startup assistance, point to point checks, and control validation of program</li> </ul>
<b>TOTAL FOR ITEMS 1 - 3:</b>		<b>\$83,400.00</b>

### Project Clarifications

- Unless otherwise stated above, the following is **not** included within this quotation:
  - Conduit, field wire, tubing, or basic trade installation materials (brackets, screws, bolts, j-box, stanchions, pull-box, etc.)
  - Instrumentation mounting components, brackets, stanchions, sunshields, etc.
  - Local control stations and/or field mounted disconnects.
  - Instrumentation, devices, components, or equipment not defined by the above quotation.

- Fiber optic patch panels, cable, splicing or terminations.
- Networking infrastructure or architecture modifications to existing facilities.
- Any 3<sup>rd</sup> party independent testing, harmonic testing/analysis, power coordination study, or Arc-Flash Hazard Analysis (AFHA) study.
- Interconnection or loop diagrams for equipment not furnished by TESCO.

## Terms and Conditions

- Quote is firm for 30 days unless otherwise stated.
- Any additional work requested by client outside the scope of this quote will be quoted separately at a rate of \$170.00/hour
- Submittals: Approximately **8-10** weeks after receipt of purchase order, written notice of intent, or notice to proceed.
- Delivery: Approximately **10-12** weeks after submittal approval.
- Price does include applicable sales tax, use tax, and applicable fees.
- TESCO price is FOB factory, full freight allowed.
- TESCO warranties against defect in design workmanship and materials for a period of one year from date of installation, and does not exceed 18 months from the date of shipment from the factory.
- TESCO carries liability insurance, with full workman's compensation coverage.
- Terms are net 30 days on approved credit accounts.
- Interest will be applied to all past due invoices.
- All merchandise sold is subject to lien laws.
- Final retention to be paid within 10 days after the project notice of completion.

Please feel free to contact us at (916) 395-8800 to discuss any questions or comments you may have regarding this quotation.

Sincerely,



**Richard Martinez**  
Technical Sales  
TESCO Controls, Inc.  
(916) 395-8800  
(916) 730-9936 – Mobile  
rmartinez@tescocontrols.com