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## SANITARY DISTRICT

The Sanitary District maintains approximately 235,000 lineal feet of gravity sewer mains and 23,000 lineal feet of force mains. Nineteen (19) pump stations are used to pump approximately one million gallons (average dry weather flow) of wastewater per day to Central Marin Sanitation Agency (CMSA) treatment plant, which provides primary and secondary treatment. There are 5,665 laterals connected to the District's collection system.

Public Works personnel provide both routine and emergency cleaning and maintenance of the sewer system. Contractual services are used for some special vacuum cleaning of sewer lines and for some emergency response activities. Major repair work of sewer lines is provided by private contract. The pump stations are maintained through a contract with CMSA.

The major objectives of Sanitary District #2 are the reduction of inflow and infiltration (I & I) of ground water into the sewer system, the replacement of aging gravity mains, and the improvement of the level of maintenance by Public Works personnel and private contractual services to reduce the number of sewer stoppages per year. Use of the Infrastructure Management Geographic Information System (GIS) will assist in this.

The District updated its Sewer Master Plan in September 2009. The Master Plan provides guidance for fiscal planning on system upgrades and refurbishments over the next forty years. The Plan has identified 50% of the sanitary sewer system as being over 40 years old. Using this plan as guide, Sanitary District #2 will continue an aggressive program of repair and replacement of the sanitary infrastructure. To finance this effort, the Sewer User Service Charge was increased from \$188 per sewer user unit to \$498 per sewer user unit over a 5 year period and will continue at that level until it is revised by the Board of Directors.

Fiscal Year	Charge per Sewer User Unit	Collection Charge Per Parcel Unit
1992-1993 through FY 2004-2005	\$188.00	\$2.00
2005-2006	\$250.00	\$2.00
2006-2007	\$312.00	\$2.00
2007-2008	\$374.00	\$2.00
2008-2009	\$436.00	\$2.00
2009-2010 through 2019-2020	\$498.00	\$2.00

**TOWN OF CORTE MADERA  
SANITARY DISTRICT NO. 2  
Proposed Budget**

Description	2017-2018	2018-2019		2019-2020	2020-2021
	Actual	Rev Budget	Est. Actual	Budget	Budget
<b>BEGINNING BALANCE</b>	<b>7,734,083</b>	<b>10,614,563</b>	<b>10,614,563</b>	<b>13,514,105</b>	<b>9,420,534</b>
<b>REVENUE</b>	6,382,151	6,117,340	6,635,000	6,767,000	6,869,960
<b>TOTAL REVENUE</b>	<b>6,382,151</b>	<b>6,117,340</b>	<b>6,635,000</b>	<b>6,767,000</b>	<b>6,869,960</b>
<b>TOTAL RESOURCES</b>	<b>14,116,234</b>	<b>16,731,903</b>	<b>17,249,563</b>	<b>20,281,105</b>	<b>16,290,494</b>
<b>EXPENDITURES</b>	3,501,672	6,370,995	3,735,458	10,860,571	10,111,113
<b>TOTAL EXPENDITURES</b>	<b>3,501,672</b>	<b>6,370,995</b>	<b>3,735,458</b>	<b>10,860,571</b>	<b>10,111,113</b>
<b>ENDING BALANCE</b>	<b>10,614,563</b>	<b>10,360,908</b>	<b>13,514,105</b>	<b>9,420,534</b>	<b>6,179,381</b>
Restricted	10,614,563	10,360,908	13,514,105	9,420,534	6,179,381

**SANITARY DISTRICT NO. 2  
REVENUE AND EXPENDITURE SUMMARY**

		2017-2018	2018-2019	2018-2019	2019-2020	2020-2021
		Actual	Revised Budget	Estimated Actuals	Proposed Budget	Proposed Budget
<b>REVENUE</b>						
	PROPERTY TAX	3,192,487	2,959,340	3,300,000	3,432,000	3,534,960
	SEWER DISTRICT USER CHARGES	2,938,979	3,043,000	3,050,000	3,050,000	3,050,000
	INTEREST	98,492	50,000	220,000	220,000	220,000
	STATE REVENUE	14,748	15,000	15,000	15,000	15,000
	PERMITS AND FEES	137,445	50,000	50,000	50,000	50,000
	<b>TOTAL REVENUE</b>	<b>6,382,151</b>	<b>6,117,340</b>	<b>6,635,000</b>	<b>6,767,000</b>	<b>6,869,960</b>

		2017-2018	2018-2019	2018-2019	2019-2020	2020-2021
		Actual	Revised Budget	Estimated Actuals	Proposed Budget	Proposed Budget
<b>EXPENDITURES</b>						
	<b>OPERATING EXPENSES:</b>					
	Legal Services			15,571	100,000	100,000
	Outside Services, Contractors and Professionals	166,876	51,600	51,600	55,000	55,000
	Town Staff Providing Sanitary District services	349,500	450,000	450,000	675,000	675,000
	Sewer Treatment and Disposal	989,578	918,836	972,624	1,015,268	1,067,320
	Fog Source Control - CMSA	1,491	10,000		10,000	10,000
	Dues and Subscriptions	2,361				
	Maintenance	4,416	29,500	29,500	30,000	30,000
	Pump Station Maintenance - CMSA	339,844	692,236	500,000	800,000	800,000
	Sewer Maintenance, Cleaning and Repairs	141,168	290,000	290,000	290,000	290,000
	Utilities	68,957	95,000	95,000	110,000	110,000
	Supplies	15,102	34,500	20,000	25,000	25,000
	Transfer to Insurance Fund	38,000				
	<b>Total Operating Expenses</b>	<b>2,117,292</b>	<b>2,571,672</b>	<b>2,424,295</b>	<b>3,110,268</b>	<b>3,162,320</b>
	<b>DEBT SERVICE</b>					
	Debt Service Payments to CMSA	579,510	581,163	581,163	580,303	578,793
	<b>Total Debt Service</b>	<b>579,510</b>	<b>581,163</b>	<b>581,163</b>	<b>580,303</b>	<b>578,793</b>
	<b>GRANT PROGRAMS</b>					
	Lateral Ordinance Grant Program		50,000	5,000		
	Private Sewer Lateral Grant Pilot Program				500,000	
	Lower Lateral CIP Pilot Program				500,000	
	Low Income PSL Grant Pilot Program				40,000	20,000
	<b>Total Grant Programs</b>	<b>0</b>	<b>50,000</b>	<b>5,000</b>	<b>1,040,000</b>	<b>20,000</b>
	<b>CAPTIAL PROJECTS</b>					
	See Projects Listed on Next Page	804,869	3,168,160	725,000	6,130,000	6,350,000
	<b>TOTAL CAPITAL PROJECTS</b>	<b>804,869</b>	<b>3,168,160</b>	<b>725,000</b>	<b>6,130,000</b>	<b>6,350,000</b>
	<b>TOTAL EXPENDITURES</b>	<b>3,501,672</b>	<b>6,370,995</b>	<b>3,735,458</b>	<b>10,860,571</b>	<b>10,111,113</b>

**SANITARY DISTRICT NO. 2  
REVENUE AND EXPENDITURE SUMMARY**

	2017-2018	2018-2019	2018-2019	2019-2020	2020-2021
	Actual	Revised Budget	Estimated Actuals	Proposed Budget	Proposed Budget
<b>CAPITAL PROJECTS</b>					
<b>Sanitary District Projects</b>					
HARBOR DRIVE SEWER REHABILITATION				360,000	1,500,000
DESIGN EL CAMINO DRIVE SEWER REHABILITATION					650,000
TRINIDAD 2 PUMP STATION IMPROVEMENT		950,000	200,000	1,100,000	
ASSESSMENT/MASTER PLAN UPDATE	36,136				
REPLACE AND REPAIR AIR RELEASE VALVES AND ISOLATION VALVE		150,000	25,000	500,000	500,000
SEAWOLF AND GOLDENHIND PUMP STATION IMPROVEMENT		20,000			
DESIGN HARBOR DRIVE SEWER REHABILITATION		358,160			
PARADISE PUMP STATION UPGRADE		80,000			
SAUSALITO PUMP STATION IMPROVEMENT AND UPGRADE		300,000			
NEW GENERATION OLD LANDING PUMP STATION		60,000			
MEADOWSWEET NORTH REHABILITATION PROJECT		300,000		350,000	1,500,000
MEADOWSWEET - TAMALPAIS TO WILLOW PROJECT					200,000
PIXLWY AND SAUSALITO PUMP STATION					150,000
FLOW METER VAULT IMPROVEMENT		350,000	50,000	480,000	
FIFER PUMP STATION IMPROVEMENT	87,180	600,000	300,000	720,000	
PARADISE VARIABLE FREQUENCY DRIVE				100,000	100,000
SD2 FORCE MAIN BYPASS				300,000	
PRE PAVING REHABILITATION PROJECT				2,000,000	1,500,000
LAKESIDE PUMP STATION IMPROVEMENT				40,000	100,000
SEAWOLF PUMP STATION SECURITY FENCE				30,000	
CMSA CAPITAL PROGRAM FOR PUMP STATION IMPROVEMENTS			150,000	150,000	150,000
OTHER SEWER REPAIRS	681,553				
<b>TOTAL EXPENDITURES</b>	<b>804,869</b>	<b>3,168,160</b>	<b>725,000</b>	<b>6,130,000</b>	<b>6,350,000</b>

	Project Name	Project Description	Project Phase	2019-2020	2020-2021	3 Year Need 2022-2024
#	<b>Capital Program: Sanitary District No. 2</b>		Planning Environmental Engineering Construction	\$6,670,000	\$6,870,000	\$24,490,000
<b>RWQCB REQUIRED CIP PROJECTS BY 2022:</b>						
1	Design Harbor Drive Sewer Rehabilitation	Sanitary District No. 2 of Marin County (SD2) shall design the replacem about 5,000 feet of sanitary sewer system main lines and about 130 laterals	ENG	\$360,000		
2	Construct Harbor Drive Sewer Rehabilitation	SD2 shall construct the replacement of the sanitary sewer system main lines and laterals in Task 32. Must be completed by 2021	CON		\$1,500,000	\$1,500,000
3	Design El Camino Drive Sewer Rehabilitation	SD2 shall design the replacement of about 9,000 feet of sanitary sewer system main lines and about 200 laterals	ENG		\$650,000	
4	Construct El Camino Drive Sewer Rehabilitation	Replace SS main and lateral, SD2 shall construct the replacement of the sanitary sewer system main lines and laterals in in Task 34. Must be completed by 2022	CON			\$5,370,000
<b>OTHER SD2 CIP PROJECTS:</b>						
1	Fifer Pump Station (PS)	Replace pumps, electrical, and mechanical equipment; add flow meter	CON	\$720,000		
2	Trinidad 2 PS	Upgrade aged pump station (built 1960). with modern standard pump facilities to reduce maintenance costs and increase pump efficiency	CON	\$1,100,000		
3	ARVs Seismic safety	SD2 Force Main siesmic stabilization	ENG, CON			\$50,000
4	ARVs & ISO	Replace and repair 4 air release valves (ARV'S) and 1 Isolation Valve (ISO) on the SD2 primary force main between Paradise Pump Station and Sir Francis Drake CMSA connection and shutdown FM for repair (Bypass)	ENG, CON	\$500,000	\$500,000	\$1,800,000
5	Old Landing PS	New stand alone generator	ENG, CON			\$300,000
6	Flow meter Vault	Instal a flow meter at the Village, Trailer Court and replace the Trailer court generator as phase 1. Replace valves and relocation of the main flow meter	ENG, CON	\$480,000		\$1,500,000
7	Meadowsweet - North Rehabilitation Project	Rehabilitation and replacement of main gravity trunk sewers	ENG, CON	\$350,000	\$1,500,000	\$2,000,000
8	Meadowsweet/Tamalpais up to Willow	Design the rehabilitation and replacement of main gravity trunk sewers	ENG		\$200,000	\$2,500,000
9	Paradise Variable Frequency Drive (VFD)	Existing VFD are beyond their useful life and need replacing	ENG, CON	\$100,000	\$100,000	\$100,000
10	Seawolf and Goldenhind PS	Evaluate for tidal protection	ENG			\$200,000
11	SD2 Force Main Bypass	Construct permanant bypass for force main redudancy and safety	ENG, CON	\$300,000		\$1,200,000
12	Pre-Paving Sewer Rehabilitation Project	Sewer rehabilitation in coordination with paving (incl. Tamal Vista) to replace vitrified clay pipe from mainline system	ENG, CON	\$2,000,000	\$1,500,000	\$5,000,000
13	Pixley & Sausalito PS	Replace pumps, electrical, and mechanical equipment; add flow meter and upgrade station (at Sausalito)	ENG, CON		\$150,000	\$1,000,000
14	Lakeside PS	Corrosion, odor and control system parts	ENG, CON	\$40,000	\$100,000	
15	Seawolf PS	Security fence repair or replaced	CON	\$30,000		
16	CMSA Capital Program for PS Improvements	Capital repairs, parts lead by CMSA for SD2 Pump Station operations	CON	\$150,000	\$150,000	\$450,000
17	PSL Pilot Grant Program	Pilot assistance program offering \$1,500 to each property owner for the repair/replacement of Private Sewer Laterals	CON	\$250,000	\$250,000	\$750,000
18	Lower Lateral CIP Pilot Program	Pilot program offering to entirely replace only the Lower Lateral of property owners' PSL included as part of nearby SD2 CIP project	CON	\$250,000	\$250,000	\$750,000
19	Low Income PSL Grant Program	Offers grant assitance up to 75% cost match up to \$5,000 for repair/replacement of qualified low-income property owners' PSL	CON	\$40,000	\$20,000	\$20,000