



FAIRFIELD-SUISUN SEWER DISTRICT

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GREGORY G. BAATRUP, GENERAL MANAGER

April 18, 2019

AD-100.130.10/2019

MEMORANDUM

TO: Board of Directors

FROM: Greg Baatrup, General Manager

SUBJECT: Quarterly GM Report

The following is a highlight of the more significant activities that occurred during the first quarter of calendar year 2019.

Operations

All treatment facilities continue to perform as expected. The rainfall was significantly greater than in past years and this normally increases flow in the District facilities. Through careful planning and preparation, District staff managed all flow and there were not any sanitary sewer overflows.

The total wastewater processed during the quarter was 1.23 billion gallons. For the 1st quarter, the plant was 100% compliant with discharge regulations prescribed by the National Pollution Elimination System (NPDES) Permit and there were no sanitary sewer overflows.

Biosolids Management

Organic Materials Recovery Center (OMRC)

The facility has been accepting District biosolids since August 17, 2016 and has processed all District biosolids. The OMRC continues to be a success. Processing services were sold to San Francisco PUC, East Bay MUD, Central Marin Sanitation Authority, City of Santa Rosa, and City of Petaluma.

Engineering

Blower Replacement Project

In November 2017, the District Board approved a construction services contract with Overaa to replace aging aeration equipment and improve the reliability and efficiency of the system. During this quarter, the 20-year old Turblex was removed from service and the new Nueros blowers were successfully put into service. The new backup generator was also installed, tested, and put into service. The remaining work includes fine tuning the blower operation and other

controls, reconnecting blower piping, and finishing electrical work. The contract completion date is October 18, 2019.

Plant Electrical Replacement Project

Design work continues to rehabilitate or replace aging electrical components that are more than 30 years old and are becoming unreliable. The condition, age and outdated technology warranted an electrical system assessment that is underway.

Collection System Master Plan

The consultant has gathered the necessary input data, including flow monitoring data, land use data, unit flow rate data, and collection system installation data to build a computer model of the system. The consultant has started model runs to identify where the system may have limitations and therefore where system improvements are needed.

Other Projects and activities:

- The 2019 Sewer System Rehabilitation projects have been identified and an RFP was issued for interested contractors. It is estimated the work will be \$450,000 and will start in mid-July.
- Engineering consultant is preparing designs for the Digester Rehabilitation project that will replace the unreliable 30+year old mixing system and piping components for Digester No. 2. Following this rehabilitation, Digester No. 2 can be put in service allowing Digester No. 1 to be taken out of service to be cleaned and inspected.
- Data gathering and analysis is underway for the NPDES permit application that is due to the Regional Water Quality Control Board in August 2019.
- The replacement to the connection fee payment agreement was completed with Shelter Solano for facilities formerly operated by Mission Solano at 310 Beck Ave in Fairfield.

Community Outreach

The following table presents the activities in the first quarter of 2019:

Date	Event	Partici- pants	Description
2/8/2019	Inspire Dreams plant tour	40	Plant tour
2/15/2019	Armijo College and Career Club	30	Presentation on career opportunities in the Water/Wastewater industry
3/8/2019	FSUSD Science Fair – “Ask a Scientist”	200	Presentation on career opportunities in the Water/Wastewater industry
3/27/2019	Health Inspector Training	14	Training for County Health Inspectors to look for situations that might be harmful to wastewater and stormwater during their health inspections.

There will be two District sponsored events in April as we celebrate the anniversary of Earth Day.

- On April 20, 2019 from 9:00 a.m. to 11:00 a.m. there will be a creek cleanup at Laurel Creek, Ledgewood Creek, Suisun Waterfront, and Union Creek.
- On April 27, 2019 from 7:30 a.m. to noon the District will have a booth at the City of Fairfield's Earth Day to share information about the District and the environment.

More information can be found at <https://www.fssd.com/earthday/>

Personnel

Operations Department. There was one involuntary service separation in March. Recruitment for the replacement is nearly complete.

Engineering Department. To fill vacancies after two Senior Environmental Engineers retired, staff recruited two engineers that will be graduating from UC Davis with Masters in Civil Engineering. They will start late-spring and early summer.

Administration and Finance

Budget Analysis

Revenue and Expenses are tracked according to the Budget and Long-Term Financial Plan. Table 1 presents Total Expenses which are tracking with the budget projections except for Major Maintenance as those project expenses will be realized in the later half of the fiscal year. A few expense line items stand out as follows:

- 0110 Electricity & Chemicals – One-time payment of \$250k was paid to PG&E as required by the Net Energy Metering Agreement.
- 0140/1601 Major Maintenance – Blower project started later than anticipated, therefore, there is a timing difference with funding. More money was budgeted in FY 17/18 and lower actual expenses, which created an under variance, offset by over variance this fiscal year. Total Blower project spending is within budget.
- 0170 – Administration – the variance was due to higher Unfunded Actuarial Liability pension amortization (total increase for FY 18/19 projected at \$310k) and retiree health premium (retiree premium is projected to increase \$293k this FY).

Table 2 presents Revenue. Sewer Service Charge Revenue is tracking exactly at 75%, Storm Drain is at 53%, as storm drain revenue is collected on the county tax role and we receive payments from the county twice per year rather than monthly. Lastly, connection fees are lower than projected as the growth rate is less than projected.

Table 1

Fairfield-Suisun Sewer District
Expense Report Summary - 75% of Budget
Year-To-Date March 31, 2019

	Budget	YTD Actual	% Used
Fund 1 - Operations			
0110 Treatment Plant O&M	8,969,550	5,396,315	60.16%
0110 Electricity and Chemicals	1,433,000	876,429	61.16%
0115 Laboratory	807,000	497,379	61.63%
0130 City Sewer Line Maintenance	2,545,000	1,857,882	73.00%
0140/1601 Major Maintenance	8,805,000	8,685,635	98.64%
0170 Admin, Legal, Board, OPEB	1,207,000	1,259,895	104.38%
0160 Utility Billing - Fairfield	452,000	353,314	78.17%
0160 Utility Billing - Suisun	134,000	101,644	75.85%
0160 Financial & Personnel Services	850,000	540,566	63.60%
0150 Regulatory Programs (2)	867,500	645,088	74.36%
Total Expenses	26,070,050	20,214,146	77.54%
Fund 2 - Construction			
0210 Project Planning (3)	80,200	50,320	62.74%
0220 New Development Review/Inspect	43,000	75,640	175.91%
0000 Collection System Master Plan	0	0	0.00%
0230 Capacity Analysis	30,000	2,791	0.00%
0260 Cordelia PS	635,000	0	0.00%
0000 Peabody/Walters	400,000	0	0.00%
0270 Northeast Fairfield PS	900,000	0	0.00%
1601 Blower Project/Aeration System Rehab (25%)	813,000	1,640,222	0.00%
Total Expenses	2,901,200	1,768,973	60.97%
Fund 4 - Drainage Maintenance			
0410 Drainage Maint Admin	20,000	13,084	65.42%
0420 Local Facility Maintenance	959,000	479,500	50.00%
0430 Regional Facility Maintenance	30,000	50,395	167.98%
0440 URMP (4)	371,750	306,587	82.47%
Desilting	31,000	0	0.00%
Total Expenses	1,411,750	849,566	60.18%
Total - All Funds	30,383,000	22,832,685	75.15%

Table 2

Fairfield-Suisun Sewer District
Revenue Report Summary - 75% of Budget
Year-To-Date March 31, 2019

		FY 2018-19		
		Budget	YTD Actual	% Used
Fund 1 - Operations				
5010	Sewer Service Charges - FF	19,410,000	14,597,081	75%
5012	Sewer Service Charges - AB	1,090,000	779,617	72%
5013	Sewer Service Charges - District-billed	1,222,000	557,500	46%
5015	Sewer Service Charges - SS	4,427,000	3,434,010	78%
5020	Sewer Service Charges - TAFB	976,000	850,696	87%
5305	Lease Income	-	74,532	0%
5405	Interest Earnings	374,000	470,410	126%
5505	Miscellaneous	128,000	60,141	47%
5510	Biosolids Facility Charge	126,000	52,463	42%
Total		27,753,000	20,876,450	75%
Fund 2 - Construction				
5105	Capacity Fees - FF	4,195,000	2,020,576	48%
5110	Capacity Fees - SS	32,000	-	0%
5405	Interest Earnings	57,000	75,192	132%
5410	Interest - Connection Fees	-	7,400	0%
Total		4,284,000	2,103,168	49%
Fund 4 - Drainage Maintenance				
5205	Drainage Maintenance	1,552,000	822,969	53%
5405	Interest Earnings	17,000	25,495	150%
Total		1,569,000	848,464	54%
Total - All Funds		33,606,000	23,828,082	71%

Figure 1

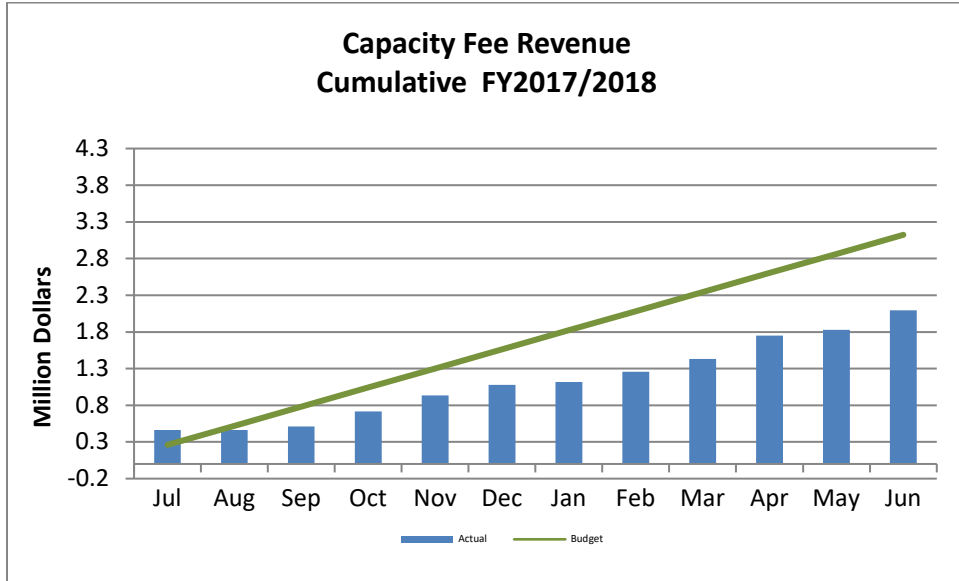


Figure 2

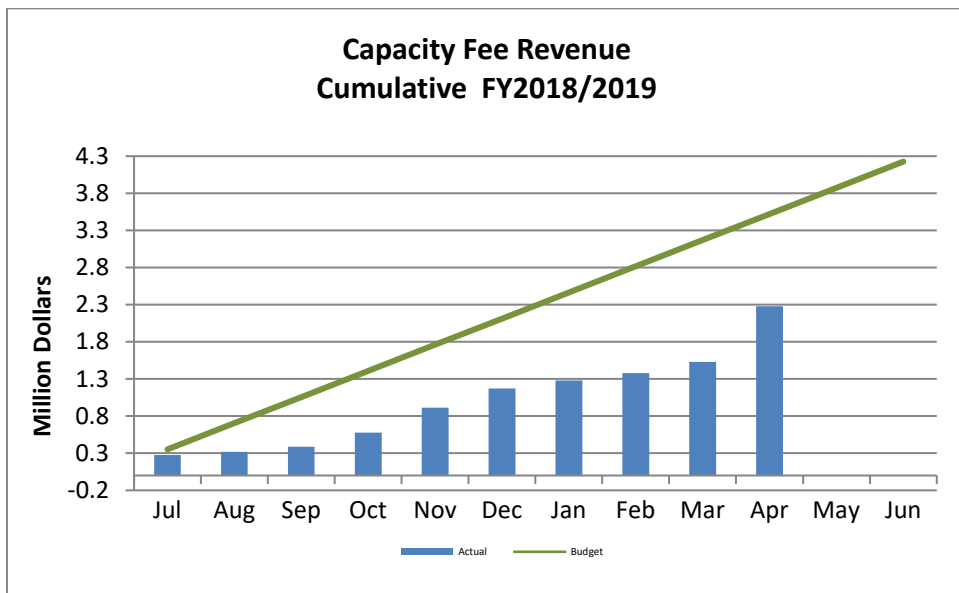


Figure 3

