

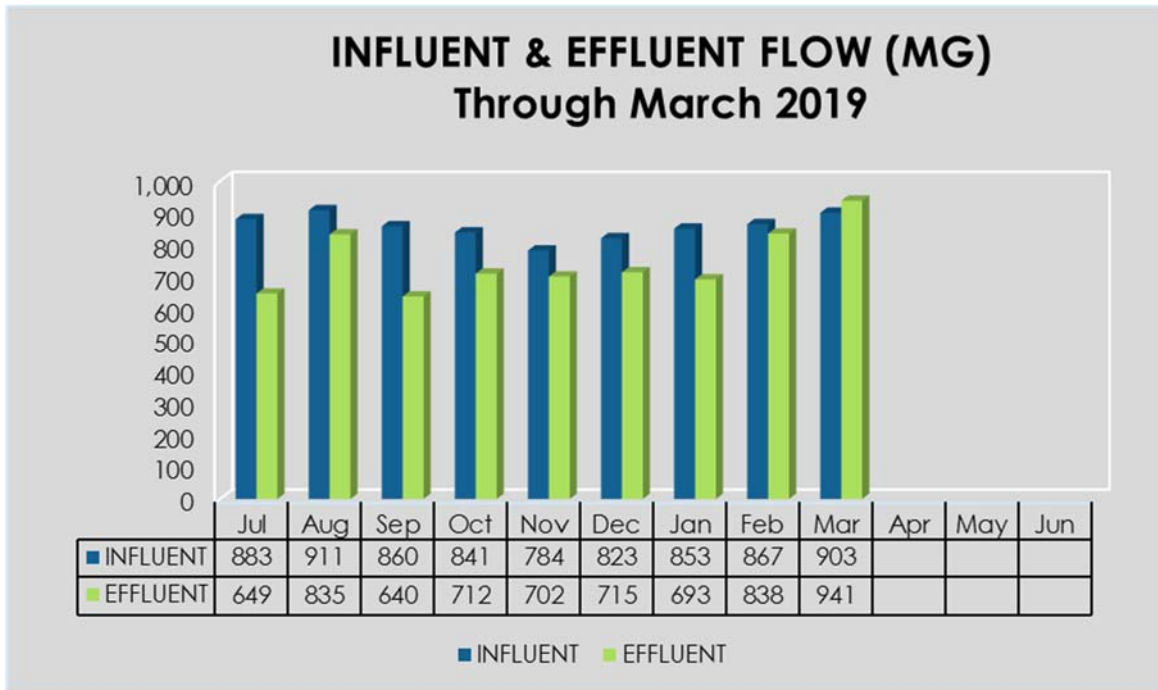


# QUARTERLY OPERATIONS REPORT

## 3<sup>rd</sup> Quarter, January – March 2019

### WASTEWATER

#### PERMIT COMPLIANCE



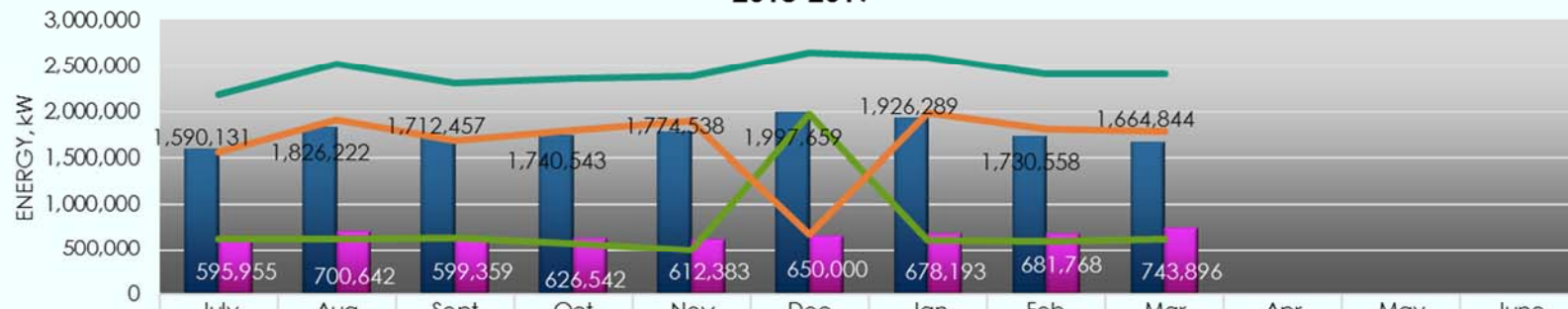
INFLUENT MONTHLY AVERAGE				EFFLUENT MONTHLY AVERAGE									
Month	Flow MGD	CBOD mg/L	TSS mg/L	Month	Flow MGD	cBOD mg/l	cBOD Removal %	TSS mg/l	TSS Removal %	Ammonia* mg/l	Turbidity NTU	pH	Dissolved Oxygen mg/l
				Permit Limit	≤55	<10	>85	<10	>85	≤2.4	<2	6.5-8.5	>6
July	28.5	360	330	July	20.9	<2.0	>99.6	<2.6	>99.4	<0.7	1.6	6.8-7.7	8.3
August	29.4	350	320	August	26.9	<2.0	>99.5	<2.6	>99.2	<0.6	1.5	6.8-7.5	9.3
September	28.7	380	310	September	21.3	<2.0	>99.6	<2.6	>99.4	0.9	1.6	6.7-7.5	9.1
October	27.1	340	290	October	23	<2.0	>99.4	<2.8	>99.1	0.8	1.4	6.4-8.4	10.4
November	26.1	350	300	November	23.4	<2.0	>99.5	<3.0	>99.1	<1.4	1.6	6.5-8.5	11.8
December	26.5	360	350	December	23.1	<2.0	>99.5	<2.5	>99.4	<1.5	1.3	6.5-8.5	12.1
January	27.5	280	320	January	22.4	<2.0	>99.4	<2.5	>99.3	<2.3	1.4	6.5-8.5	11.9
February	31	270	320	February	29.9	<2.0	>99.3	<2.5	>99.4	<1.4	1.4	6.6-8.3	11.2
March	29.1	260	360	March	30.3	<2.0	>99.2	<2.6	>99.2	<0.5	1.5	6.8-7.8	10.9
April				April									
May				May									
June				June									

\*Seasonal limits exist for Ammonia. Permit limit shown is specific for this reporting period.



### WASTEWATER ENERGY CONSUMPTION/PRODUCTION

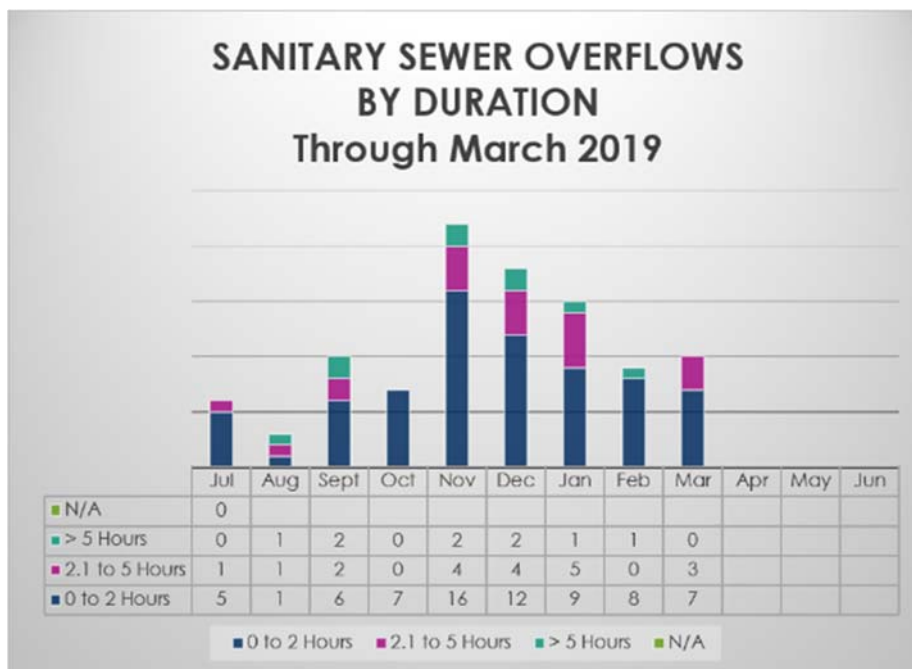
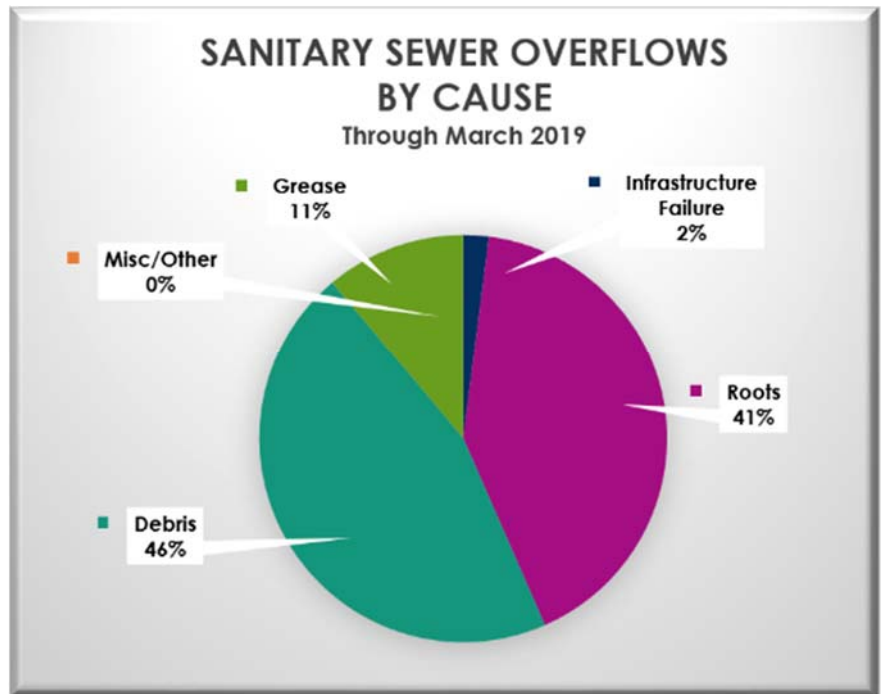
2018-2019



	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
Main Facility Usage	1,590,131	1,826,222	1,712,457	1,740,543	1,774,538	1,997,659	1,926,289	1,730,558	1,664,844			
Tertiary Facility Usage	595,955	700,642	599,359	626,542	612,383	650,000	678,193	681,768	743,896			
Total Usage	2,186,086	2,526,864	2,311,816	2,367,085	2,386,921	2,647,659	2,604,482	2,412,326	2,408,740			
Co-Gen Production	623,757	617,769	628,713	563,798	493,675	1,972,824	612,946	595,795	619,682			
Energy Purchased	1,562,329	1,909,095	1,683,103	1,803,287	1,893,246	674,835	1,991,536	1,816,531	1,789,058			



COLLECTIONS

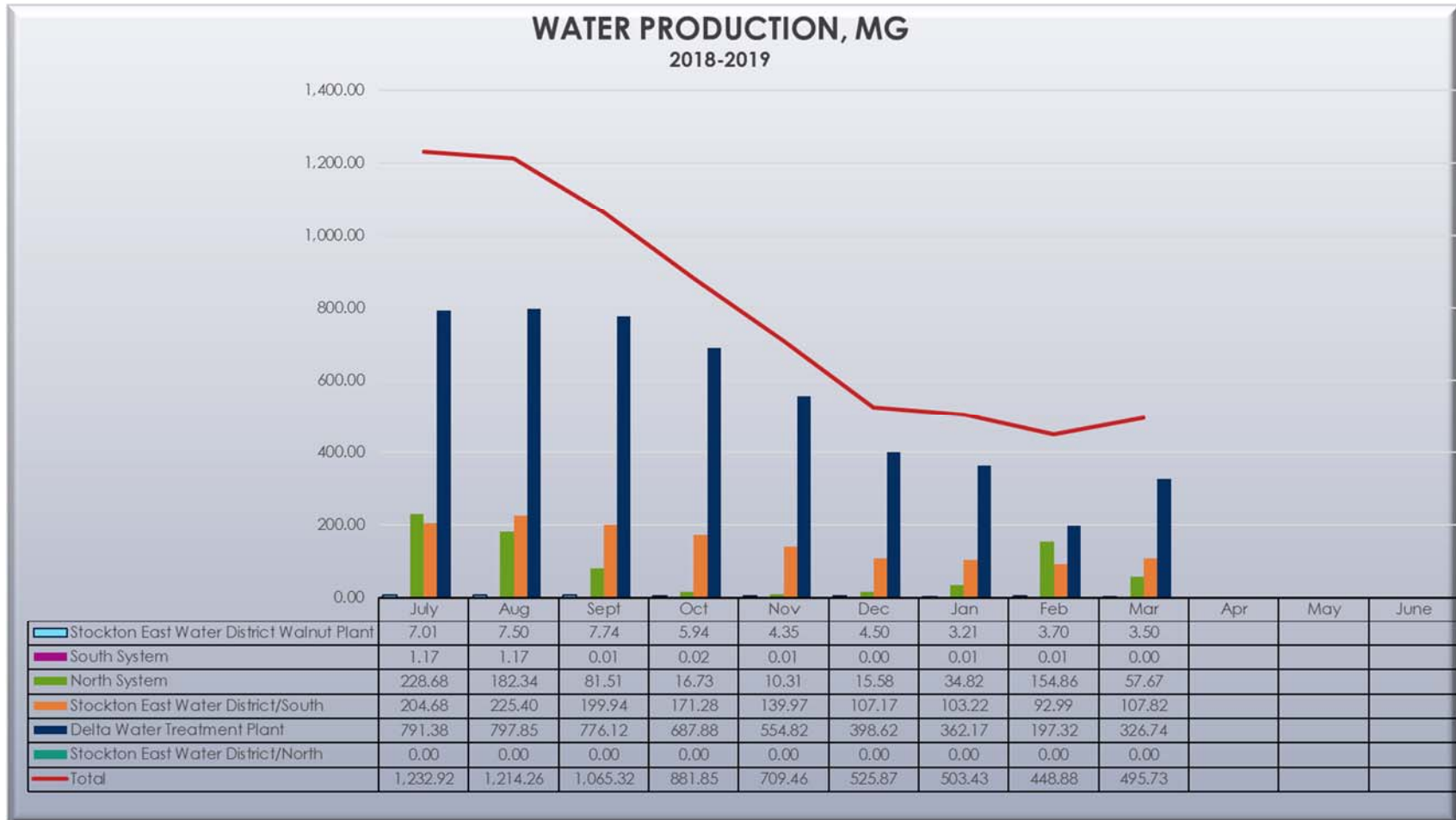




# QUARTERLY OPERATIONS REPORT

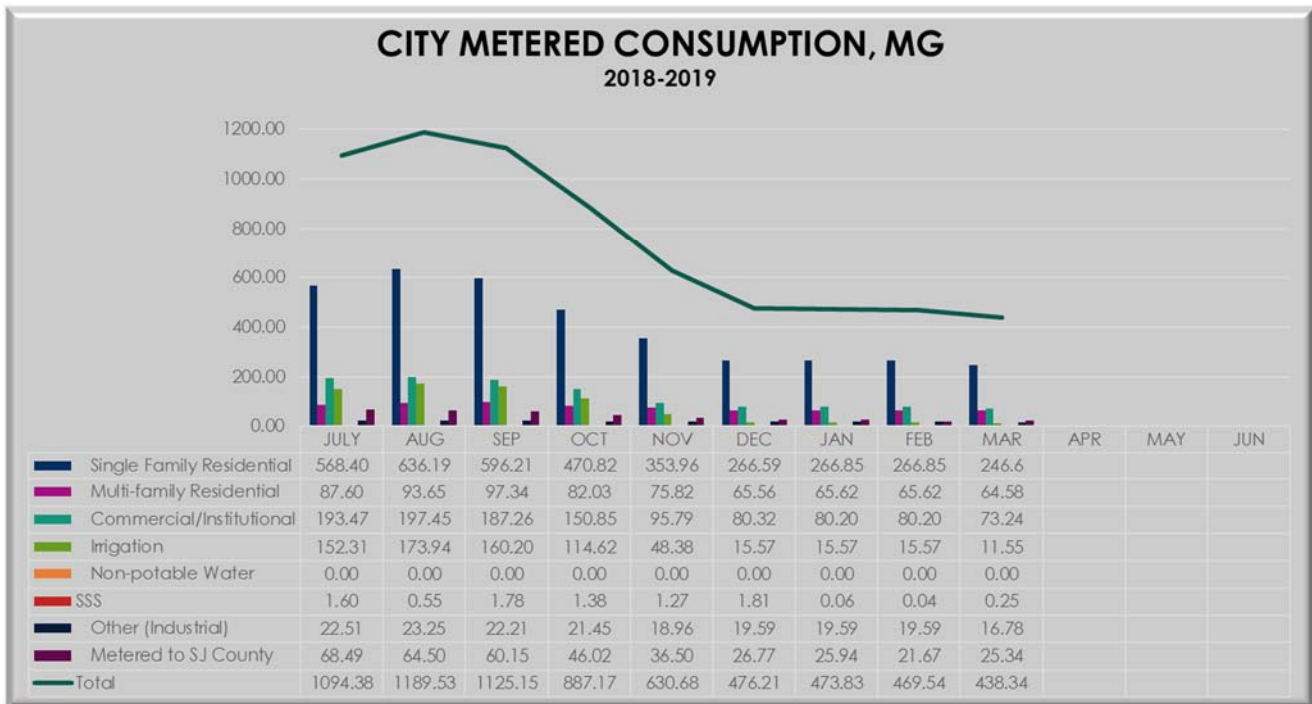
## 3<sup>rd</sup> Quarter, January – March 2019

### WATER





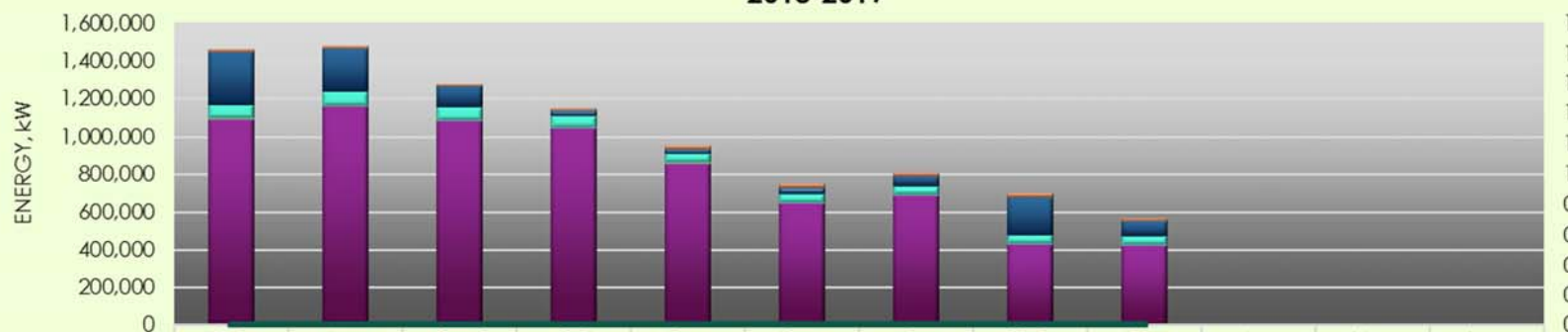
Meter Size	Residential	Industrial	Commercial & Institutional	Irrigation
5/8"	1738	0	15	15
3/4"	24699	15	217	72
1"	19505	0	251	153
1½"	257	0	235	163
2"	251	2	617	447
3"	12	0	67	26
4"	8	2	48	20
6"	5	1	18	3
8"	0	0	5	0
10"	0	0	2	0
12"	0	0	2	0
<b>Totals</b>	<b>46475</b>	<b>20</b>	<b>1477</b>	<b>899</b>
<b>Total Number of Connections:</b>			<b>48,871</b>	





### WATER ENERGY CONSUMPTION

2018-2019



	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
S. Reservoir Usage	13,600	13,440	11,520	9,440	16,480	19,840	16,320	19,840	13,120			
N. Well Usage	285,122	232,959	109,317	27,686	26,371	33,601	56,420	196,805	79,601			
N. Reservoir Usage	71,800	76,260	70,940	59,200	49,840	47,800	45,460	47,640	47,260			
S. Well Usage	5,380	2,700	1,739	1,682	2,472	1,513	2,125	1,790	1,687			
DWTP Usage	1,088,922	1,159,472	1,083,704	1,048,674	859,058	647,394	688,791	434,264	425,774			0
Solar Production	0	0	0	0	0	0	0	0	0			



# QUARTERLY OPERATIONS REPORT

## 3<sup>rd</sup> Quarter, January – March 2019

### STORMWATER

#### PERMIT COMPLIANCE

PROGRAM/ACTIVITY	SMP GOAL	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
<b>Enforcement Actions</b>													
<i>Administrative</i>													
Notice of Warning		0	3	9	2	7	1	10	14	5	0	0	0
Notice of Violation		0	8	21	17	18	8	26	41	4	0	0	0
Administrative Citation 1st		1	3	0	3	0	1	0	0	0	0	0	0
Administrative Citation 2nd		1	0	0	0	0	0	0	0	0	0	0	0
Stop Work Order		0	0	0	0	0	1	2	0	0	0	0	0
Cease and Desist Order		1	2	0	0	0	2	2	1	0	0	0	0
Referred to RWQCB		0	0	0	0	0	0	0	0	0	0	0	0
<i>Criminal Enforcement</i>													
Misdemeanor		0	0	0	0	0	0	0	0	0	0	0	0
Infraction		0	0	0	0	0	0	0	0	0	0	0	0
<b>Inspections</b>													
Commercial		0	0	1	0	0	50	24	94	40	0	0	0
Industrial		0	2	0	2	0	0	0	0	0	0	0	0
Construction		24	28	36	24	40	34	40	28	22	0	0	0
IDDE		0	1	0	0	8	6	7	2	1	0	0	0
<b>Training Activities</b>													
Training Module		0	0	0	0	0	0	0	0	0	0	0	0
<b>Public Outreach</b>													
Educational Mat's Distributed		140	220	1330	1295	1225	1127	1575	1610	1575	0	0	0
*Mixed Media Campaign		0	1	1	1	1	0	0	0	0	0	0	0
Community-Wide Events		0	0	1	0	0	0	1	1	1	0	0	0
**School Outreach		1	2	17	13	13	10	15	18	15	0	0	0
Business Outreach		0	0	0	0	0	0	0	0	0	0	0	0

\* Includes utility bill inserts

\*\* Number of schools visited



## SUPPORT SERVICES

### ENGINEERING

#### **Regional Wastewater Control Facility (RWCF) Progressive Design-Build Project**

The RWCF Progressive Design-Build Project's objective is to plan, design, and construct wastewater treatment facilities that can meet current regulatory treatment goals and balance future potential regulatory requirements for most conditions in a cost-effective manner, while extending the life of existing assets within the available budget of \$150 million to \$170 million. More specifically, the project team has considered a range of design alternatives that include configuration and operation of the existing treatment plant and construction of new facilities. The AECOM/W. M. Lyles Co., Joint Venture, has generated cost-effective, creative treatment solutions and worked collaboratively with the City to identify the facility improvements that meet the project objectives.

The project will include a new headworks pump station, rehabilitated primary treatment, new secondary and tertiary treatments, and new and remodeled personnel buildings. The Basis of Design Report (BDR) for those facilities incorporates the project to deliver many of the Phase 2 projects identified in the 2011 Capital Improvement and Energy Management Plan as well as those improvements to meet the City's current National Pollution Discharge Elimination System (NPDES) permit issued by the Central Valley Regional Water Quality Control Board.

Between January and March 2019, AECOM/W.M Lyles Co. and City staff completed negotiations on the commercial terms of the Phase 2 Contract (Final Design and Construction), Guaranteed Maximum Price (GMP) proposal, and verifying scope of the Project. Negotiations were based on the original Phase 1 Contract, 65% design package and BDR completed in 2018. On March 26, 2019, City Council adopted two resolutions related to the Project. Resolution No. 2013-03-26-0802 awards Phase 2A of the Design-Build Contract (DBC) for the 90% design and advance the development of a GMP for the Project. Resolution No. 2013-03-26-0801 certifies the Final Environmental Impact Report (FEIR) for the Project, adopts findings of fact, and adopts a mitigation monitoring reporting program in order to achieve CEQA Compliance. Amendment No. 1 to the DBC was executed following Council approval and a kick-off meeting for Phase 2A of the Project is scheduled to occur in April 2019.





LAB

**THREE SPECIES CHRONIC TOXICITY TESTING**

WASTEWATER SAMPLE 3rd Quarter	ALGAE	CERIODAPHNIA		LARVAL FATHEAD MINNOW	
		Survival	Reproduction	Survival	Reproduction
No Observable Effect Level, NOEL	100%	100%	100%	100%	100%
Toxicity Unit, TUc	1.0	1.0	1.0	1.0	1.0

Permit requires additional monitoring at >1TUc

**COLIFORM TESTING**

WATER COLIFORM MONITORING 3rd Quarter	SAMPLES		POSITIVE RESULTS	
	# Required	# Taken	Total Coliform	E. Coli
<b>January 2019</b>				
North System	150	150	0	0
Walnut Plant	1	1	0	0
South System	30	33	1	0
<b>February 2019</b>				
North System	120	120	0	0
Walnut Plant	1	1	0	0
South System	24	24	0	0
<b>March 2019</b>				
North System	120	132	2	2
Walnut Plant	1	1	0	0
South System	24	24	0	0

Results >0 indicate contamination



**ENVIRONMENTAL CONTROL**

<b>PROGRAM / ACTIVITY 2018-2019</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>
<b>Pretreatment Program</b>												
Industrial Inspections	67	70	29	69	56	50	42	44	50			
Industrial Sampling	47	41	24	46	37	36	37	34	37			
Discharge Permits Issued/Relssued	1	0	2	3	2	2	9	1	2			
Pretreatment Enforcement Actions	7	12	12	9	9	10	8	8	7			
<b>Waste Hauler Program</b>												
Trucked-in Waste Loads	216	246	208	214	213	222	250	211	206			
Trucked-in Waste Gallons	731,415	824,542	684,382	703,018	741,584	736,270	811,811	731,746	680,468			
<b>FOG Program</b>												
FOG Initial Inspections	74	54	42	11	0	1	96	122	53			
FOG Enforcement Actions	35	47	28	13	3	2	10	49	47			
FOG Follow-up Inspections	26	18	28	14	9	4	4	21	22			



## CUSTOMER SERVICE

### WATER

#### Taste / Odor

- January
  - Received one complaint from the Environmental Protection Agency (EPA) and State Water Resource Control Board stating that a customer had complained about E. Coli presence in their water. The MUD staff met with the homeowner, collected bacteriological samples at the complaint location and additional samples upstream and downstream of the complaint address. All three samples were absent of Coliform and E. Coli.
- February
  - Received one customer complaint regarding odor. Staff met with customer, no odor was detected, and customer was satisfied.
- March
  - Received one customer complaint regarding sewer odor. Upon arrival, staff was unable to detect an odor. Water had normal chlorine residual.

#### Color

- January
  - Two brown water complaints were resolved with in home flushing.
- February
  - Received one customer complaint of brown water. The area had a main break earlier and corrective measures caused disturbance in the main. Issue was resolved with flushing.
- March
  - Two brown water complaints were resolved with in home flushing.
  - Received one customer complaint of pink water stains in sink and shower. Operator provided cleaning instructions to remove pink stains.



### Pressure

- January
  - Eight complaints of low water pressure. Operators found various issues that included plugged aerators, partially closed angle stops, customer side leak.
- February
  - Two complaints of low pressure. Operators found a house valve closed and plugged aerators. Issues resolved to customer satisfaction.
- March
  - Four complaints of low pressure. All complaints were internal problems resolved to customer satisfaction.



## WASTEWATER

### Service Calls

- January
  - There were 166 sanitary service calls.
- February
  - There were 113 sanitary service calls.
- March
  - There were 144 sanitary service calls.

### Spills / SSOs

- January
  - There were 15 category 3 spills.
- February
  - There were 9 category 3 spills.
- March
  - There were 10 category 3 spills.



### STORMWATER

#### Flooding

- January
  - There were 4 storm events with a total of 42 related calls.
- February
  - There were 4 storm events with a total of 96 related calls.
- March
  - There was 1 storm event with a total of 4 related calls.



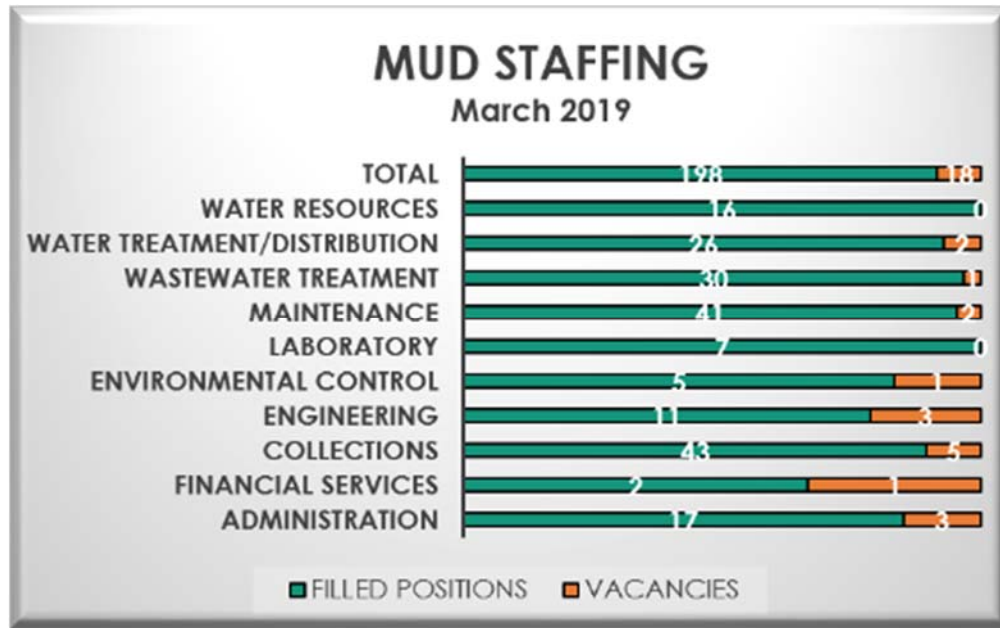
FINANCE

**OPERATIONS & MAINTENANCE REVENUE/EXPENSE REVIEW**

Jan through Mar 2019	WATER FUND			WASTEWATER FUND			STORMWATER FUND		
	FY 18-19 Budgeted	YTD Actual	Quarterly Actual	FY 18-19 Budgeted	YTD Actual	Quarterly Actual	FY 18-19 Budgeted	YTD Actual	Quarterly Actual
<b>Revenues</b>	55,936,163	49,955,425	6,822,322	69,696,457	50,201,192	11,309,248	5,762,194	4,167,506	1,037,271
<b>Expenditures</b>	50,830,629	36,627,126	3,510,412	77,644,199	37,306,631	8,045,971	7,209,389	4,082,840	1,412,778
<b>Balance</b>	<b>5,105,534</b>	<b>13,328,298</b>	<b>\$3,311,909</b>	<b>(\$7,947,742)</b>	<b>\$12,894,560</b>	<b>\$3,263,276</b>	<b>(\$1,447,195)</b>	<b>\$84,665</b>	<b>(375,508)</b>



ADMINISTRATION



SAFETY 2019	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Calendar Year-To- Date*
	Reported Unsafe Acts	1	0	0									
No-Fault Vehicle Accidents	0	0	0										0
At-Fault Vehicle Accidents	2	0	1										3
<b>Total Vehicle Accidents</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
Total # Injuries & Accidents	9	2	1										12
Lost Time Events	3	1	0										4
Work Restriction Events	0	0	0										0
<b>Total OSHA Reportable Events</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>

\*Occupational Safety and Health Administration OSHA reporting is on a calendar year