



Napa Sanitation District

General Manager's Report

for

June 2021

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DATE: August 4, 2021
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for June 2021

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 1 Category 3 SSO’s
NPDES Permit (WWTP) Compliance:	Full compliance with all regulations
Air Quality Compliance:	Full compliance with all regulations
Recycled Water Compliance:	Full compliance with all regulations
Biosolids Compliance:	Full compliance with all regulations
Significant Comments:	None

FISCAL STATUS:

Period Covered:	July 1, 2020 – June 30, 2021
Percent Fiscal Year:	100.0%
Operating Expenditures to date:	65.5%
Historical Expenditures to date:	90.8%
Significant Comments:	The “Operating Expenditures to date” does not include all expenses for supplies and services that were incurred on or before June 30 th . There may be some invoices for FY 2020/21 that will need to be accrued. Adjusting entries will also be posted for the year-end process for FY 2020/21.

In prior years, typically an intrafund transfer from Operating to Capital is done for cash flow purposes. As a result of some yearend accounting adjustments, the Capital Fund has had sufficient funds and a intrafund transfer had not been needed. This causes a lower than average Operating Expenditures to date in comparison to the Historical Expenditures to date.

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PERSONNEL:

Significant events for the month of June 2021 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	Recruitment began for Plant Attendant vacancy
Injuries:	Insect sting allergic reaction – one day off work

COLLECTIONS:

Significant events for the month of June 2021 in Collection System Maintenance include:

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 1 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm drainpipe that was not fully recovered and returned to the sanitary sewer system. A Category 2 is defined as an SSO that is equal to or greater than 1,000 gallons that did not reach a surface water. A Category 3 is defined as an SSO that is less than 1,000 gallons that did not reach a surface water. These are usually minor overflows of less than 10 gallons from cleanouts on District laterals that are cleaned by our crews.)
- The repair crew installed 2 cleanouts and repaired 1 cleanout. They also lined 3 Laterals. Additionally, the service response/programs crew completed 137 work orders in support of the grease and odor control program, responded to 33 customer requests for service (13 were NSD problem) and closed out 301 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 112 laterals, cleaned approximately 48,156.4 feet of main line and CCTV inspected 101 laterals. In addition, the CCTV truck televised 26,640 feet of mainline.

TREATMENT PLANT:

Significant events for the month of June 2021 in the Treatment Plant Department:

Plant Operations:

- For June 2021, the plant's influent flow was 172.1 MG as compared to last year flow for June 2020 of 166.7 MG
- There was 0.00" rainfall for June 2021 (Carneros Rainfall Center) as compared to 0.00" rainfall for June 2020.
- Pond 4 end of the month recorded level reading was 45.53".
- By the end of June 1,932 ACFT or 52% of the influent flow was treated and distributed as recycled water.

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Power Consumption and Production:

- June 2021 power purchased from PG&E was 467 MWH in comparison to June 2020 purchase of 355 MWH.
- Cogeneration unit ran 719 of 720 hours for the month – 99.86% uptime, averaging 377.63 Kw, producing 286 MWH of energy
- Solar generation in June 2021 was 196 MWH, compared to 191 MWH in May and 213 MWH in June 2020.

Maintenance:

Significant events for the month of June 2021:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Belt press #3/replaced pressure belt
- Replaced sample pump for hazardous gas system for Primary Clarifier #2
- Filter air compressor #1/replaced oil cooler and inlet modulating valve
- Standby generators/replaced DVR's with CDVR's
- Replaced unloader solenoid valves on plant air compressors
- Belt Press polymer pumps/replaced check valves and solenoid valves
- Replaced Headworks air compressor
- Recycle station exhaust fan/replaced pulley assembly
- Replaced belt press polymer dilution tank level transducer

Projects

- Installed new flow meter transmitter at filter influent and rescaled to 20 MGD
- Recertified elevators with state of California

Standby Power

- Plant generators operational testing only
- Riverpark ran in standby mode for 15 minutes, Stonecrest and West Napa operational testing only

Influent Pumps

- All pumps operational

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Laboratory:

Effluent (EFF-001) Summary

There was no **Effluent** discharge during the month of June 2021.

Influent (INF-001) Summary

Monthly **Influent** monitoring of all parameters occurred at the required frequencies. The following were notable sampling events:

- June 1, 2021: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for June 2021 include:

- Recycled water delivered for the month of June 2021 was (210.331 million gallons), as compared to June 2020 (140.271 million gallons) is higher from the previous year due to vineyard, trucked water and district use. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued land application of biosolids at Jameson Reuse Site.
- Staff approved the connection of three new recycled water connections. One in the MST area and two in the LCWD area.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for June 2021 include:

- Staff continued to conduct outreach regarding the Browns Valley Trunk Project. Weekly email and text updates as well as weekly website updates were made to keep residents up to date regarding construction activities.
- Staff continued to conduct outreach for the summer 2021 Collection System Rehabilitation Project.
- Staff had a booth at the last Saturday Farmers Market in June. The focus for the event was proper grease disposal and staff gave many residents grease scrapers and grease buddy containers.
- Staff continued participation in local and regional group meetings such as the Bay Area Pollution Prevention Group, the Environmental Education Coalition of Napa County, and Baywork.
- NapaSan continues to promote the safe medication disposal program. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 25,784.2 pounds.
-

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Division for June 2021 include:

- Consultants and staff continued work on the CMMS implementation.
- Contractor continued construction of the Browns Valley Trunk Project.
- Contractor continued construction of the West Napa Pump Station Project.
- Contractor continued construction of the 2020 Collection System Rehabilitation Project.
- Contractor continued construction of the 2021 Collection System Rehabilitation Project.
- Contractor continued construction of the 66-inch Trunk Sewer Rehabilitation Project.
- Contractor continued construction of the Pond Levee Maintenance Project.
- Contractor completed construction of the Sanitary Sewer Manhole Adjustment Project, Phase X.
- Contractor continued construction of the 2021 Treatment Plant Improvements Project.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 34 sets of development plans and deemed 15 sets of plans complete. The approved plans consisted of 9 residential dwellings, 2 commercial buildings, 1 residential lateral, 2 recycled water laterals and 1 tenant improvement.

Budget Status & Cash Summary - July 1, 2020 - June 30, 2021 (100.0% of the year as of July 29, 2021)

<i>Expenditures</i>	FY 20/21 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
Operating						
Salaries & Benefits	\$9,590,300	\$0	\$9,167,368	\$9,167,368	\$422,932	95.6%
Services & Supplies	6,428,900	3,858	5,616,018	5,619,876	809,024	87.4%
Taxes	42,400	-	35,549	35,549	6,851	83.8%
Debt Service	4,588,000	-	4,585,752	4,585,752	2,248 ^①	100.0%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
Total Operating:	\$29,649,600	\$3,858	\$19,404,687	\$19,408,545	\$10,241,055	65.5% ^②
Capital						
Bldgs/Improvements & Equip	\$65,903,450	\$21,763	\$38,915,627	\$38,937,390	\$26,966,060 ^③	59.1%
Intrafund Transfers	1,992,000	-	1,698,056	1,698,056	293,944	85.2%
Total Capital :	\$67,895,450	\$21,763	\$40,613,683	\$40,635,446	\$27,260,004	59.9%
Grand Total Expenditures:	\$97,545,050	\$25,621	\$60,018,370	\$60,043,991	\$37,501,059	61.6%

<i>Revenues</i>	FY 20/21 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
Operating						
Use of Money/Property	\$325,000		\$423,564	\$423,564	(\$98,564) ^④	130.3%
Charges for Services	32,433,000		32,582,634	32,582,634	(149,634)	100.5%
Miscellaneous Revenues	62,000		122,379	122,379	(60,379)	197.4%
Donations/Contributions (Capital Labor)	-		781,555	781,555	(781,555) ^⑤	N/A
Total Operating:	\$32,820,000		\$33,910,132	\$33,910,132	(\$1,090,132)	103.3%
Capital						
Use of Money/Property	\$0		\$1,022	\$1,022	(\$1,022)	N/A
Capacity Charges	1,992,000		1,324,411	1,324,411	667,589	66.5%
Bond/Loan Proceeds	27,249,900		14,863,606	14,863,606	12,386,294	54.5%
Sale of Assets	25,000		308,666	308,666	(283,666) ^⑥	1234.7%
Miscellaneous Revenues	5,000		2,000	2,000	3,000	40.0%
Intrafund Transfers	10,992,000		1,698,056	1,698,056	9,293,944	15.4%
Total Capital:	\$40,263,900		\$18,286,143	\$18,286,143	\$21,977,757	45.4%
Grand Total Revenue:	\$73,083,900		\$52,196,275	\$52,196,275	\$20,887,625	71.4%

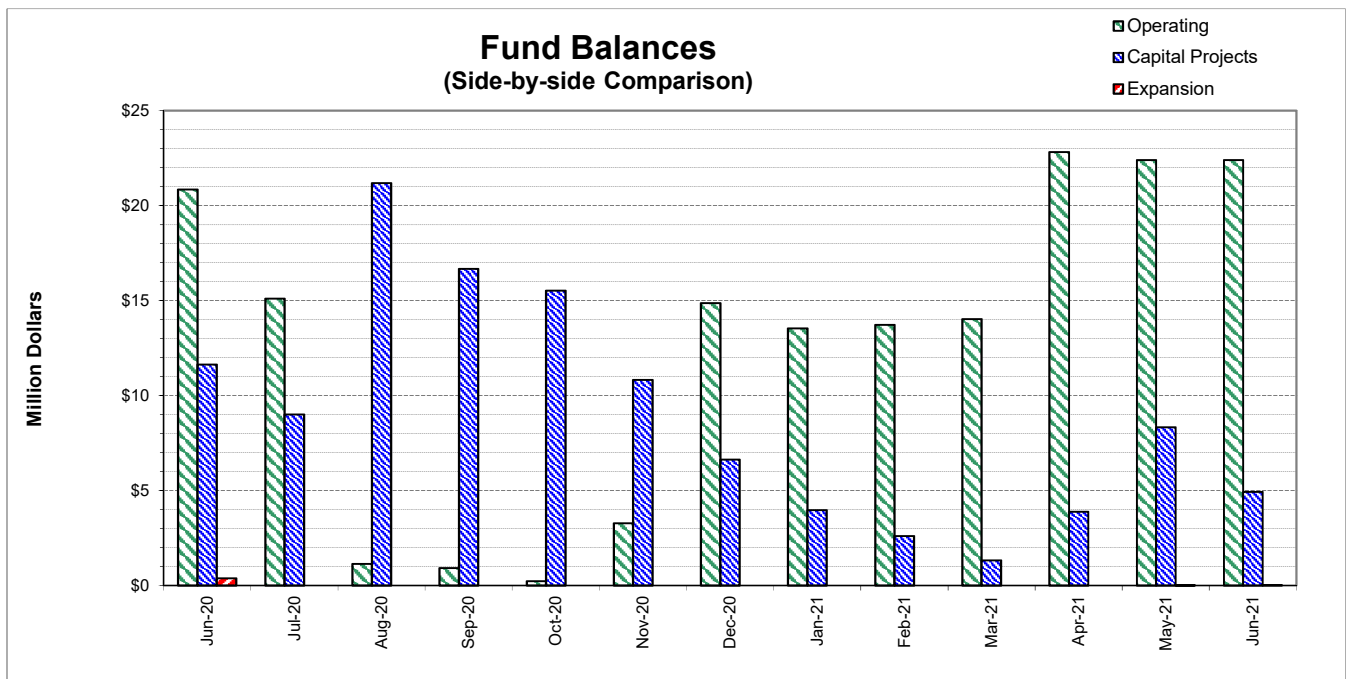
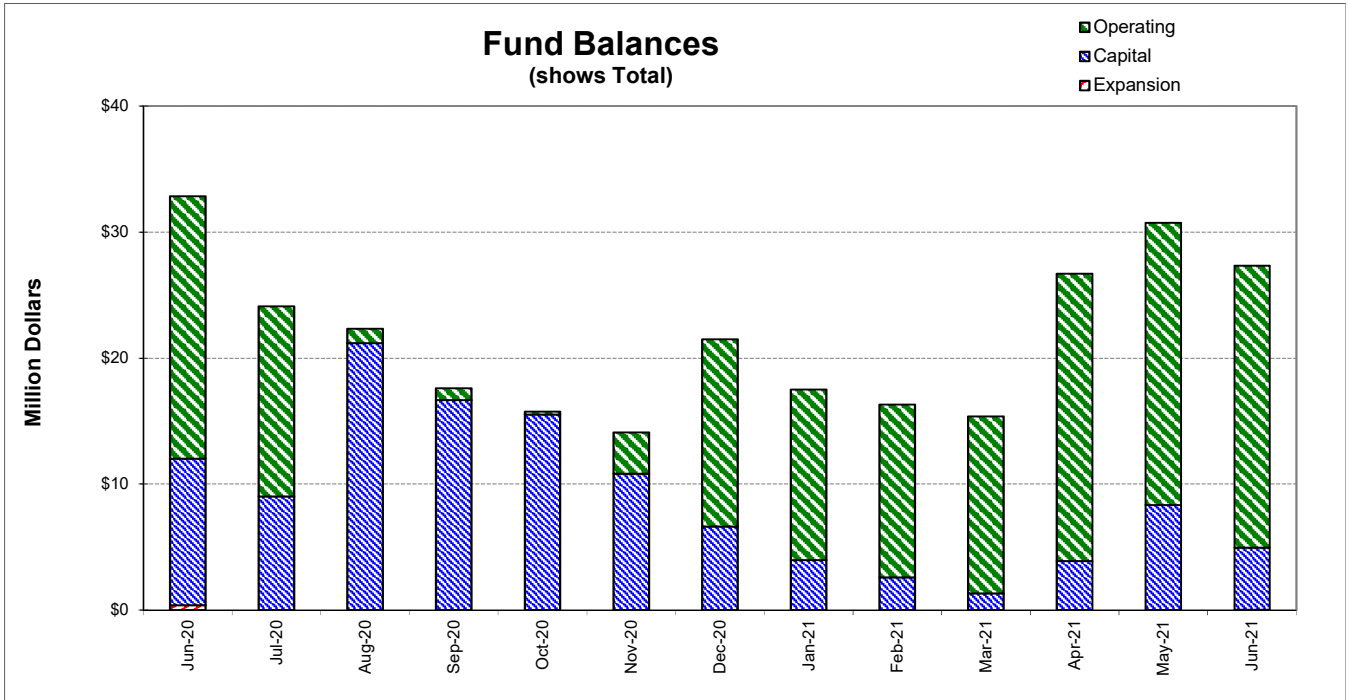
Cash on Hand as of 06/30/21 **\$27,332,429**

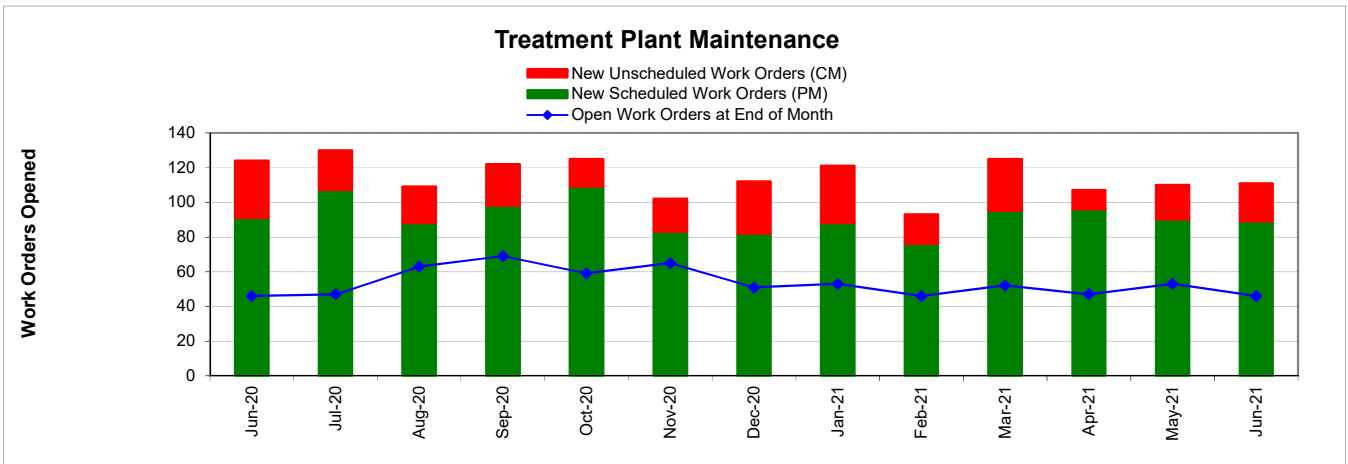
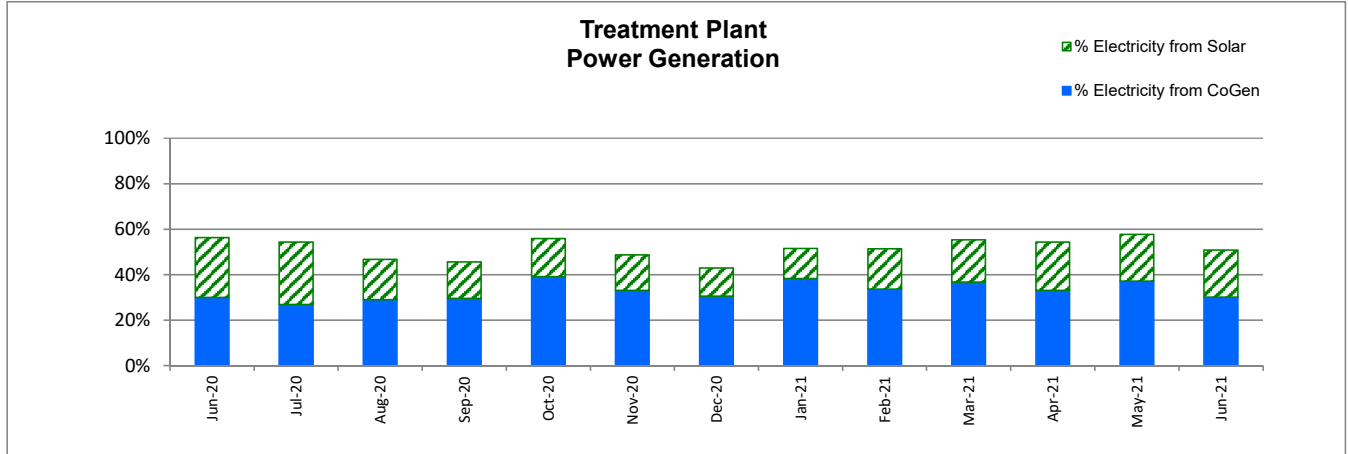
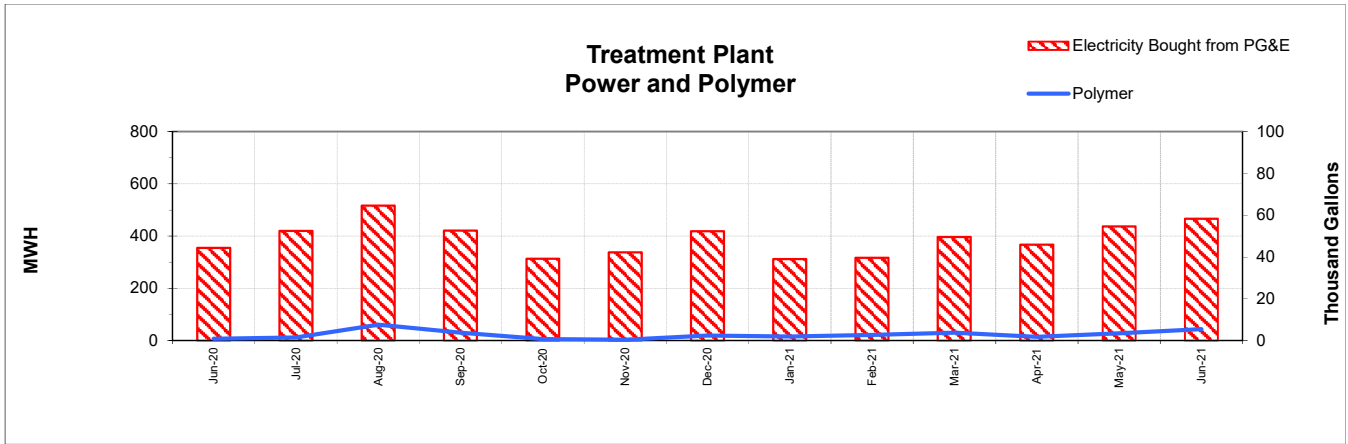
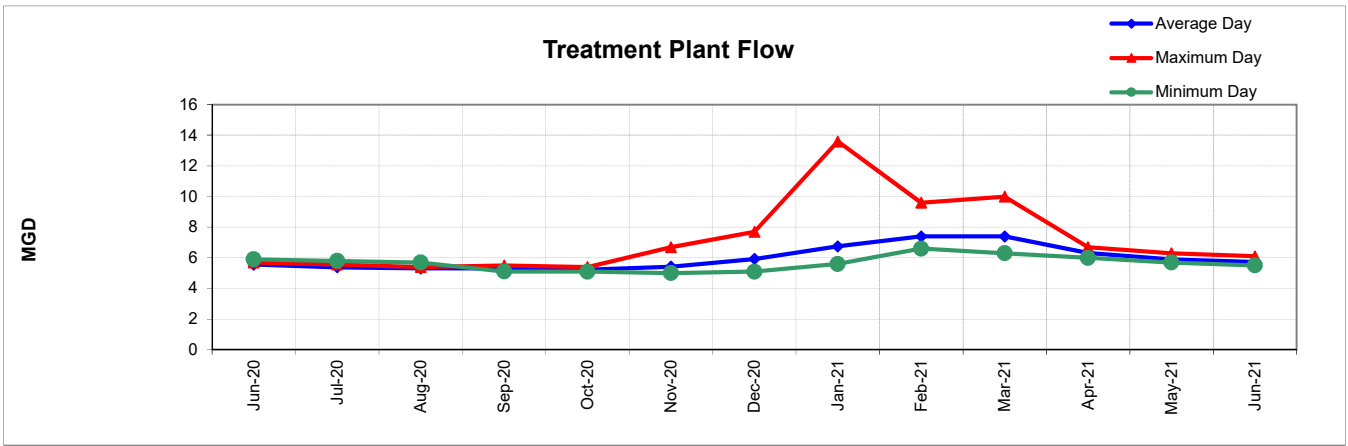
**excluding Debt Service restricted funds

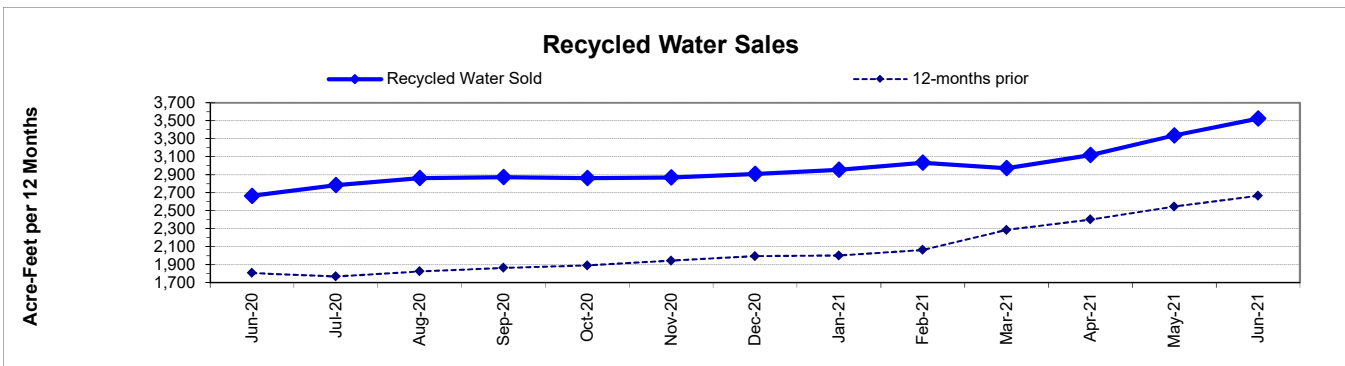
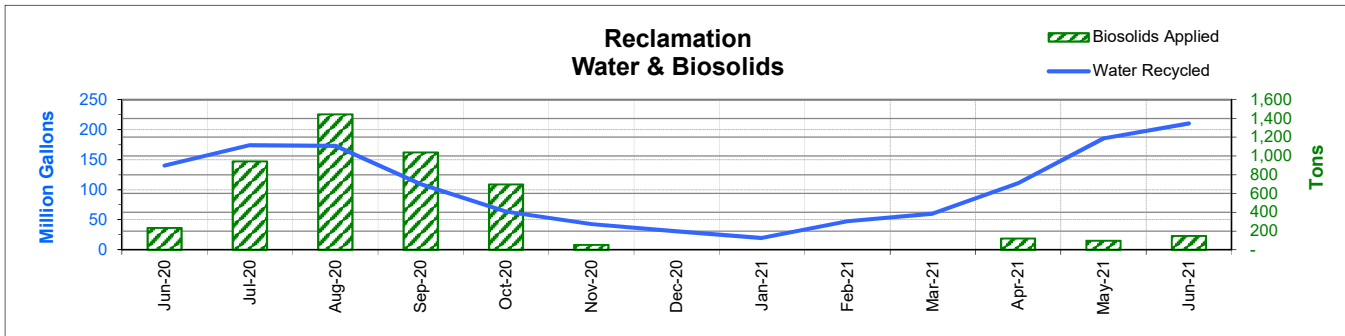
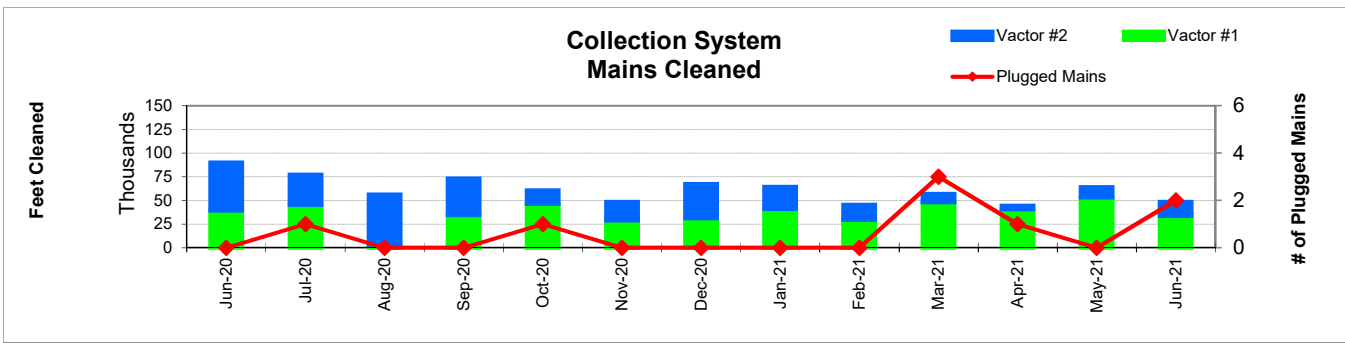
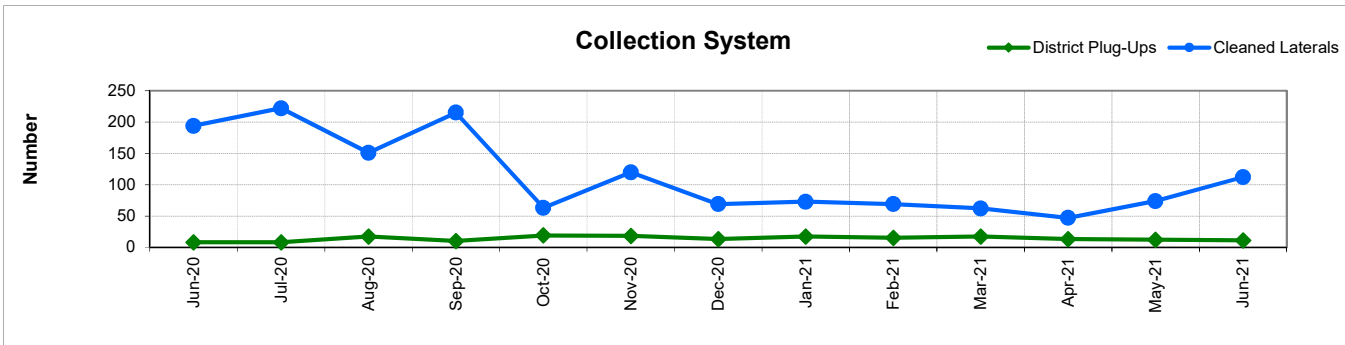
5/31/21 -Effective Rate of Return = 0.93%

Please note June effective rate of return not available at time of report.

1. Series 2012A's and 2017's principal/interest payments are made in Jul and Jan
2. Includes Debt Service and Intrafund Transfers; otherwise is 92.6%
3. See Capital Project Status report for details
4. Includes \$100,000 Somky Lease Termination Fee not budgeted
5. In-house Labor for Capital Projects (Contra acct for Salaries)
6. Includes Sale of a portion of Jamieson Canyon Property to CalTrans







FUND BALANCES - MONTHLY

CATEGORY	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<i>(Thousand Dollars)</i>									
7800	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
7850	-	-	-	-	-	-	-	-	-
Subtotal Operating	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
Capital Improvement Projects	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Debt Proceeds	-	-	-	-	-	-	-	-	-
Subtotal Capital	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Total Discretionary Funds	32,467	24,113	22,322	17,598	15,757	14,086	21,494	17,503	16,312
Expansion Fund (Restricted)	378	-	-	-	-	-	-	-	-
Total Restricted Funds	378	-	-	-	-	-	-	-	-
TOTAL ALL FUNDS	32,845	24,113	22,322	17,598	15,757	14,086	21,494	17,503	16,312

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
<u>Phone Requests</u>													
Maps/Drawings	7	1	4	2	2	2	1	1	1	3	4	4	1
Lateral Permits	-	-	-	-	-	-	-	-	-	0	-	-	-
Policy Questions	3	3	1	3	1	1	0	2	2	1	-	-	2
Development Questions	45	31	48	45	30	38	42	26	36	37	64	65	75
Miscellaneous	7	6	13	14	11	8	6	4	8	3	10	13	14
TOTAL	62	41	66	64	44	49	49	33	47	44	78	82	92
<u>Counter Requests</u>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	10	15	8	7	13	13	7	10	6	10	5	6	7
Policy Questions	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Questions	-	2	-	-	-	3	-	-	-	-	2	1	1
Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	10	17	8	7	13	16	7	10	6	10	7	7	8
<u>Initial Request (Referrals)</u>	8	6	17	10	8	15	9	14	9	13	13	26	18
<u>Connection Permits Issued</u>													
Residential Permits	10	6	6	10	2	6	11	4	5	1	7	8	10
Commercial Permits	1	6	1	1	1	5	6	1	3	4	7	3	5
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	11	12	7	11	3	11	17	5	8	5	14	11	15
Residential Units	16	6	5	10	13	13	15	38	3	1	8	3	7
Commercial Units	20	6	1	1	1	-	4	3	2	2	2	2	1
TOTAL UNITS	36	12	6	11	14	13	19	41	5	3	10	5	8
<u>Annexations</u>													
Submitted	-	2	-	-	-	1	-	1	1	-	1	2	-
Acreage	-	18.2	-	-	-	36.06	-	8.50	293	-	24.00	4.6	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	12	12	9	8	5	8	8	1	6	5	13	8	11
Second Submittal	10	11	4	10	1	8	9	1	1	1	6	6	7
Third Submittal	8	4	6	8	7	5	8	4	3	1	2	6	5
<u>Building/Tenant Improvements</u>													
First Submittal	9	5	9	2	4	7	6	6	1	5	10	4	5
Second Submittal	10	4	5	4	3	1	4	2	6	1	5	1	3
Third Submittal	8	1	5	3	3	4	-	-	6	2	2	2	3
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	57	37	38	35	23	33	35	14	23	15	38	27	34

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	1	2	2	-	-	-	-	-	1	2	1	3
Inspections - Mains	5	2	-	-	7	3	3	2	-	-	-	21	10
Inspections - Manholes	-	6	6	6	5	6	3	4	-	-	11	8	3
Inspections - Laterals	9	12	12	8	12	8	9	7	5	12	35	31	18
Inspections - Cleanouts	2	3	5	11	9	13	10	10	7	9	21	10	1
Inspections - Review Video	2	2	3	2	4	-	-	-	3	-	-	-	3
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	1	-
Demo - Buildings	-	-	1	-	-	-	1	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	18	26	29	29	37	30	26	23	15	22	69	72	38
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	-	-	-	-	-	4	-	4	-	-	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	1
General Customer Assistance	30	26	46	35	27	35	34	33	12	-	-	2	-
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	30	26	46	35	27	35	34	37	12	4	-	2	1
<u>SPECIAL PROJECTS</u>	22	23	21	21	22	21	20	20	14	50	37	22	24

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	75.187	74.385	62.144	45.656	25.052	21.811	8.095	1.109	4.210	17.697	42.657	72.839	67.733
Cemeteries	57.1	4.958	5.192	5.091	4.257	4.064	2.374	1.421	0.489	0.548	0.864	4.079	4.307	4.895
Parks	18.5	1.188	1.670	1.142	0.691	0.638	0.274	0.046	-	0.007	-	0.682	1.486	1.230
Schools	12.6	2.341	2.926	2.583	1.995	1.372	0.827	0.071	0.006	-	0.097	1.544	2.390	2.428
Commerical	166.5	15.874	20.068	18.844	14.144	13.084	8.985	3.651	1.948	1.108	4.228	10.589	16.724	17.867
Vineyards	3,442.0	24.276	51.661	68.013	36.009	16.738	7.086	15.696	16.117	41.694	36.227	41.332	63.950	85.981
Trucked Water	175.0	3.079	1.988	3.988	2.748	2.104	1.251	1.681	0.134	0.238	1.460	3.543	4.223	8.283
Subtotal Sales	4,509.6	126.903	157.889	161.805	105.500	63.053	42.607	30.663	19.803	47.806	60.575	104.425	165.919	188.417
District Use														
Jameson	330.0	-	1.479	1.146	1.271	-	-	-	-	-	-	-	-	-
Somky	213.0	13.369	14.836	10.491	2.855	0.547	0.254	0.133	0.001	-	0.013	6.477	19.621	21.914
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	13.369	16.315	11.638	4.126	0.547	0.254	0.133	0.001	-	0.013	6.477	19.621	21.914
TOTAL DELIVERED	5,103.1	140.271	174.204	173.443	109.626	63.600	42.861	30.796	19.803	47.806	60.588	110.902	185.540	210.331
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	1,283	1,297	1,288	1,275	1,254	1,271	1,296	1,299	1,274	1,266	1,321	1,384	1,361
Cemeteries	57.1	121	120	118	117	117	115	118	119	119	112	114	116	115
Parks	18.5	16	19	18	17	17	18	18	18	18	18	20	24	24
Schools	12.6	42	45	47	48	49	49	49	49	48	46	49	50	50
Commerical	166.5	407	412	415	410	408	400	404	407	401	383	387	397	403
Vineyards	3,442.0	748	842	919	945	954	954	955	995	1,106	1,075	1,148	1,285	1,475
Trucked Water	175.0	48	50	58	62	64	65	69	68	69	72	79	81	97
Subtotal Sales	4,509.6	2,666	2,785	2,864	2,874	2,864	2,872	2,909	2,955	3,035	2,973	3,119	3,336	3,524
District Use														
Jameson	330.0	2	6	8	12	12	12	12	12	12	12	12	12	12
Somky	213.0	286	279	232	178	160	147	147	147	147	147	167	211	237
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	288	285	240	190	172	159	160	159	159	159	179	222	249
TOTAL DELIVERED	5,103.1	2,953	3,070	3,104	3,064	3,036	3,031	3,068	3,115	3,194	3,133	3,298	3,558	3,773

BIOSOLIDS HANDLING - MONTHLY

Site	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
<u>Land Applied by NSD</u>													
Somky											119		
Fagundes					22	53							
Jameson Canyon	234	49	165	201	85							96	148
Subtotal by NSD	234	49	165	201	107	53	-	-	-	-	119	96	148
<u>Land Applied by Contractor</u>													
Somky		893	1,277	838	590								
Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	893	1,277	838	590	-	-	-	-	-	-	-	-
Total Land Applied	234	942	1,442	1,039	697	53	-	-	-	-	119	96	148
Off Site (Contractor)													
Total (tons)	234	942	1,442	1,039	697	53	-	-	-	-	119	96	148

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
Plugups													
Total Calls	34	23	47	29	62	56	59	48	41	54	59	40	33
Business Hours	25	17	28	19	43	37	39	37	29	39	37	26	25
After Hours	9	6	19	10	19	19	20	11	12	15	22	14	8
District's	8	8	17	10	19	18	13	17	15	17	13	12	11
Property Owner's	26	15	30	19	42	38	46	31	26	34	45	28	20
Plugged Main Lines	-	1	-	-	1	-	-	-	-	3	1	-	2
Run Lateral w/Eel	194	222	151	215	63	120	69	73	69	62	47	74	112
Cleaning (feet of sewer)													
Vactor #1	39,019	45,066	2,936	34,338	46,255	28,507	31,186	40,675	29,419	48,016	40,653	53,152	33,236
Vactor #2	50,948	31,916	53,184	38,654	14,202	19,789	35,938	23,525	15,887	8,590	3,679	10,568	14,921
Hydro	-	-	-	-	-	-	1,968	-	-	166	-	-	-
Rodder	-	-	694	-	-	-	-	1,433	-	-	-	-	-
Total (feet)	89,967	76,982	56,814	72,992	60,457	48,296	69,092	65,633	45,306	56,772	44,331	63,720	48,156
Cleaning Days													
Total	33	28	21	21	22	20	23	27	19	23	19	19	21
Vactor #1	17	17	3	10	16	12	12	16	13	19	17	16	16
Vactor #2	16	11	17	11	6	8	10	8	6	3	2	3	5
Hydro	-	-	-	-	-	-	1	-	-	1	-	-	-
Rodder	-	-	1	-	-	-	-	3	-	-	-	-	-
Feet/day													
Total	2,750	2,750	2,700	3,500	2,750	2,400	3,000	2,450	2,400	2,450	2,350	3,350	2,300
Vactor #1	2,300	2,650	1,000	3,450	2,900	2,400	2,600	2,550	2,250	2,550	2,400	3,300	2,100
Vactor #2	3,200	2,900	3,150	3,500	2,350	2,450	3,600	2,950	2,650	2,850	1,850	3,500	3,000
Hydro	-	-	-	-	-	-	1,950	-	-	150	-	-	-
Rodder	-	-	700	-	-	-	-	500	-	-	-	-	-
Video Inspections													
Mains (feet)	16,016	24,214	22,515	19,796	26,009	28,717	18,657	28,757	22,463	36,064	26,380	12,761	26,640
Laterals (each)	239	270	210	259	184	204	227	219	233	228	237	290	244
Construction (each)													
Cleanouts	12	9	15	21	8	12	7	11	7	8	13	5	3
Laterals	19	6	25	23	20	9	6	6	6	7	6	3	3
Mains	-	-	-	1	4	3	1	-	1	-	-	1	-
Manholes	-	1	-	-	3	-	-	-	1	1	-	-	-
Other	-	-	-	5	25	-	-	-	-	-	-	-	-
USA Markings													
Regular (w/in 2 days)	284	278	297	281	278	246	185	204	252	741	1,019	278	287
Emergency (w/in 2 hours)	13	10	18	12	13	13	15	10	13	19	22	17	14

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21
<u>Scheduled</u>													
Old	39	25	26	40	39	24	31	20	25	26	26	26	31
New	91	107	88	98	109	83	82	88	76	95	96	90	89
Completed	105	106	74	99	124	76	93	83	75	95	96	85	98
New Balance	25	26	40	39	24	31	20	25	26	26	26	31	22
<u>Unscheduled</u>													
Old	17	21	21	23	30	35	34	31	28	20	26	21	22
New	33	23	21	24	16	19	30	33	17	30	11	20	22
Completed	29	23	19	17	11	20	33	36	25	24	16	19	20
New Balance	21	21	23	30	35	34	31	28	20	26	21	22	24
<u>Total Work Orders</u>													
Old	56	46	47	63	69	59	65	51	53	46	52	47	53
New	124	130	109	122	125	102	112	121	93	125	107	110	111
Completed	135	130	93	116	133	96	126	119	100	119	112	104	118
New Balance	46	47	63	69	59	65	51	53	46	52	47	53	46
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	172	220	189	141	191	221	328	209	204	219	242	142	159
Process Control	815	776	772	700	906	960	1,644	986	918	968	1,010	783	871
Special Request	140	38	51	31	10	301	42	9	-	-	-	-	10
Quality Control/Assurance	622	661	674	577	727	928	1,662	929	878	962	968	674	506
TOTAL	1,749	1,695	1,686	1,449	1,834	2,410	3,676	2,133	2,000	2,149	2,220	1,599	1,546

**Summary of NSD Capital Project Status
through 6-30-2021 (as of July 29, 2021)**

Proj #	Description (shortened)	FY 20/21 Budget	FY 19/20 Carry Forwards	Adj.	Final FY 20/21 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
<u>COLLECTION SYSTEM - PROJECTS</u>									
13701	Main Line Sewer Rehab	62,100			62,100	-	13,862	48,238	22%
13702	Manhole Raising/Rehab	250,000			250,000	-	142,822	107,178	57%
13703	Lateral Replacement/Rehab	113,900			113,900	-	94,551	19,349	83%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	68,702	29,998	70%
13705	I&I Reduction Program	30,000	210,500		240,500	-	4,573	235,927	2%
14703	Browns Valley Rd & First St	14,000,000	5,733,950		19,733,950	-	17,592,040	2,141,910	89%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	-	221,066	45,534	83%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	-	2,851,597	12,234,953	19%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	-	4,279,999	1,911,401	69%
19727	Coll Sys Master Plan	-	100,000		100,000	-	53,423	46,577	53%
20702	Manhole Rehabilitation	250,000			250,000	-	28,045	221,955	11%
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	-	2,419,379	1,007,171	71%
21701	2022 Collection System Rehab	20,000			20,000	-	5,078	14,922	25%
21718	NN Siphon Gate Replacement	-	-	25,000	25,000	-	15,908	9,092	64%
<u>COLLECTION SYSTEM - EQUIPMENT</u>									
21702	Pickup-mounted Camera Sys	65,000		12,000	77,000	-	75,069	1,931	97%
<u>COLLECTION SYSTEM - LIFT STATIONS</u>									
17711	West Napa PS - Rehab	5,500,000	4,546,450		10,046,450	-	5,663,037	4,383,413	56%
19705	Stonecrest PS Pump Rebuild	-	24,850		24,850	-	-	24,850	-
21703	River Park Pump Rebuild	19,300			19,300	-	-	19,300	-
<u>TREATMENT - PROJECTS</u>									
13745	Pond 1 Dredge	-	1,943,750		1,943,750	-	1,853,879	89,871	95%
18740	Treatment Plant Project 2019	-	64,850		64,850	-	792	64,058	1%
20706	WWTP Master Plan	1,235,400	950		1,236,350	-	657,866	578,484	53%
20707	Pond Levee Repair	700,000	9,150		709,150	-	581,656	127,494	82%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	-	209,691	1,197,909	15%
<u>TREATMENT - EQUIPMENT</u>									
13735	Dual Fuel Boiler Burner	-	55,750		55,750	-	32,907	22,843	59%

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15707	DAFT Overflow Pumps (2)	12,300	11,900		24,200	-	-	24,200	-
16712	Primary Clarifier Mech-Struct	700,000	390,200	140,000	1,230,200	-	1,146,386	83,814	93%
17726	Headworks Equip Rehab/Rplcmnt	-	240,700		240,700	-	18,561	222,139	8%
18718	Sec Clarifier Mech/Strct Rehab	83,200		(50,000)	33,200	-	-	33,200	-
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	25,000		25,000	-	22,642	2,358	91%
19708	Rotork Actuator Rplcmnt	-	75,900		75,900	-	25,204	50,696	33%
19709	Polymer Tank Rplcmnt	207,000	10,000	(185,000)	32,000	-	-	32,000	-
19710	12kV Redundant Line	-	83,650		83,650	-	40,665	42,985	49%
19715	ARV Rplcmnt	-	4,750		4,750	-	-	4,750	-
20709	AB Caustic Pumps & Enclosure	-	68,600		68,600	-	17,347	51,253	25%
20710	Septage Pump & Motor Rplcmnt	-	4,950		4,950	-	4,746	204	96%
20711	Marsh-to-Pond PS Upgrade	-	87,550		87,550	-	252	87,298	0%
20712	Grit Pump Rebuild	-	5,000		5,000	-	4,746	254	95%
20713	Elevator Control Update	-	400,000		400,000	-	-	400,000	-
20715	Concrete Pipe Chase Covers	-	80,000		80,000	-	64,084	15,916	80%
20716	Plant Door Replacement PH 1	-	22,200	8,000	30,200	-	24,110	6,090	80%
21704	Headworks - Washer Compactor	314,400			314,400	-	160,261	154,139	51%
21705	Pipe Threader	13,000			13,000	-	12,883	117	99%
21706	Rotork Actuator Replacement	101,800			101,800	-	7,252	94,548	7%
21707	Digester Roof Grating Rplcmnt	110,900			110,900	-	-	110,900	-
21708	Head works - Roof Replacement	80,300			80,300	-	75,300	5,000	94%
21709	Plant Door Replacement - Ph 2	23,000		(8,000)	15,000	-	-	15,000	-
21710	Veh 175 - F-150	31,000			31,000	-	28,918	2,082	93%
						-			
	LAB - EQUIPMENT					-			
21711	Autoclave Rplcmnt	34,400			34,400	-	14,295	20,105	42%
21712	Sampler 4700 Rplcmnt	10,400			10,400	-	7,833	2,567	75%
	SCADA								
18729	SCADA MP Proj 1 Ntwk Mntng	-	46,200		46,200	-	-	46,200	-
19718	SCADA MP PH 5 Security Stdy	-	51,850		51,850	-	-	51,850	-
21713	SCADA Network Upgrades	225,000			225,000	-	-	225,000	-

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21714	Alarm Evaluation & Programming	25,000			25,000	-	-	25,000	-
	RECYCLING - PROJECTS								
18731	Coombsville Truck Fill Station	-	112,100		112,100	-	85,519	26,581	76%
20721	Kirkland RW Pipeline Rehab	-	12,900		12,900	-	6,855	6,045	53%
	RECYCLING - EQUIPMENT								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700	-	5,889	24,811	19%
20722	Badger Meter Replacement	-	80,000		80,000	-	35,913	44,087	45%
21715	Soscol Recycle Pump #2 Rehab	160,700			160,700	-	-	160,700	-
21716	Veh 174 - Ford F-350 SB	75,700			75,700	-	1,564	74,136	2%
21717	Veh 723 - Water Trailer	42,800			42,800	-	12,554	30,246	29%
	OTHER								
13729	Development Technical Support	348,800			348,800	-	225,907	122,893	65%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000	20,000	40,000	-	-	40,000	-
		\$43,246,800	\$22,656,650	-	\$65,903,450	-	\$38,915,627	\$26,987,822	59%