



Napa Sanitation District

General Manager's Report

for

July 2020

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NAPA SANITATION DISTRICT

General Manager's Report

DATE: September 2, 2020

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for July 2020

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO's, 0 Category 2 SSO's, and 3 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 – July 31, 2020
Percent Fiscal Year:	8.3%
Operating Expenditures to date:	20.3%
Historical Expenditures to date:	18.3%
Significant Comments:	None

PERSONNEL:

Significant events for the month of July 2020 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	Seth Rossi, Collection System Supervisor, promoted to Collection System Manager
Recruitment Activities:	None
Injuries:	None

COLLECTIONS:

Significant events for the month of July 2020 in Collection System Maintenance include:

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 3 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 can be cleaned up by the crews.)

- The repair crew installed 9 cleanouts and repaired 1 man hole. They also repaired 4 laterals and lined 2 laterals. Additionally, the service response/programs crew completed 76 work orders in support of the grease and odor control program, responded to 24 customer requests for service (9 were NSD problem) and closed out 288 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 222 laterals, cleaned approximately 76,982 feet of main line and CCTV inspected 25 laterals. In addition, the CCTV truck televised 24,213.6 feet of mainline.

TREATMENT PLANT:

Significant events for the month of July 2020 in the Treatment Plant Department:

Plant Operations:

- For July 2020, the plant's influent flow was 182.3 MG as compared to last year flow for July 2019 of 199.3 MG
- There was 0.00" rainfall for July 2020 (Carneros Rainfall Center) as compared to 0.00" rainfall for July 2019.
- Pond 4 end of the month recorded level reading was 61.04".

Power Consumption and Production:

- July power purchased from PG&E was 420 MWH in comparison to July 2019 purchase of 358 MWH.
- Cogeneration unit ran 740 of 744 hours for the month – 99.46% uptime, averaging 314.17 Kw, producing 232 MWH of energy.
- Solar generation in July was 210 MWH, compared to 213 MWH in June and 217 MWH in July 2019.

Maintenance:

Significant events for the month of July 2020:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Cogen Service:
 - Changed oil & sock filters
 - Replaced pre-air filter and main air filter
- Change Siloxane Filters Media
- Replaced flange gaskets on Cogen filter housing
- DAFC recirc pump 201/replaced power supply to soft start
- DAFT overflow pump 102/replaced VFD

- Replaced inlet pressure transducer on Strain Press
- Recycle Pump #1/replaced cooling water rotameter

Projects

- Up-graded lighting at top of Digester
- IPS Bioair fan/up-graded pulleys and belts
- Up-loaded new firmware/Auma Actuators at AB's

Standby Power

- Plant generators operational testing only
- Riverpark, Stonecrest, West Napa operational testing only

Influent Pumps

- All pumps operational

Laboratory:

Effluent (EFF-001) Summary

There was no Effluent (EFF-001) discharge during the reporting period.

Influent (INF-001) Summary

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

- July 1, 2020: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for July 2020 include:

- Recycled water delivered for the month of July 2020 was (174.204 million gallons), as compared to July 2019 (119.116 million gallons) is higher from the previous year due to vineyard irrigation, golf course and commercial landscape. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued with the land application of biosolids at the Jameson Reuse site.
- Staff approved two connections in the MST area and one connection in the LCWD area.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for July 2020 include:

- There were no presentations or tours given in the month of July due to the COVID-19 pandemic.
- Since the closure of Family Drug, staff has been looking for a new pharmacy to host a drug takeback bin in a central Napa location. Safeway Napa is now hosting a bin thanks to grant funding received with the help of California Product Stewardship Council. This takeback operation will be run independently, but NapaSan will still take part in advertising the safe drug takeback locations throughout the County and helping to promote and facilitate the yearly drug takeback event held in coordination with the City and County of Napa. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 22,118.2 pounds.
- Staff took part in the July EECNC meeting and is working to create an online guide to virtual environmental education activities for teachers, parents, and interested community members to utilize this school year.
- Outreach was conducted to residents regarding the Summer 2020 Collection System Rehabilitation Project. Letters were sent notifying residents in construction areas of upcoming sewer rehabilitation work and weekly email and text notifications were sent to all residents on the project mailing list. Weekly website updates were also made to alert residents to construction project updates.
- Staff also conducted outreach regarding the Browns Valley Trunk Sewer Project. Staff sent letters to Sycamore Street residents alerting them to water line work to be done. Letters were also sent to let South Coombs Street residents and businesses know about the beginning of pipeline installation. Weekly email and text updates as well as weekly website updates were conducted to keep residents up to date regarding construction activities. Staff also worked with City of Napa staff to share construction locations and our updates were shared in the City of Napa e-newsletter.
- Staff worked with City of Napa and Napa recycling staff to create a produce sticker art campaign that will be rolled out in August.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Division for July 2020 include:

- Consultants and staff continued work on the CMMS implementation.
- Contractor continued working on the Pond Biosolids Removal and Reuse Project.
- 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.
- Staff continued design of the 2021 Collection System Rehabilitation Project.
- Consultant continued design of the 66-inch Trunk Sewer Rehabilitation Project.
- Consultant continued design of the Pond Levee Maintenance Project

- Contractor continued construction of the Primary Clarifier and DAF Clarifier Rehabilitation Project.
- Consultant continued work on the SWRF Buried Metallic Piping Condition Assessment Project.
- Consultant continued work on the SWRF 12kV Condition Assessment Project.
- Consultant continued working on the Collection System Master Plan.
- Consultant continued working on the Kirkland Recycled Water Pipeline Condition Assessment Project.
- Staff issued Notice to Proceed to the consultant for the Wastewater Treatment Plant Master Plan.
- Staff reviewed 37 sets of development plans and deemed 9 sets of plans complete. The approved plans consisted of 7 residential dwellings and 2 residential laterals.

Budget Status & Cash Summary - July 1, 2020 - July 31, 2020 (8.3% of the year)

<i>Expenditures</i>	FY 20/21 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
Operating						
Salaries & Benefits	\$9,590,300	\$10,000	\$470,396	\$480,396	\$9,109,904	5.0%
Services & Supplies	6,186,300	1,318,047	430,983	1,749,030	4,437,270	28.3%
Taxes	42,400	-	-	-	42,400	0.0%
Debt Service	4,588,000	-	3,728,888	3,728,888	859,113 (1)	81.3%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
Total Operating:	\$29,407,000	\$1,328,047	\$4,630,267	\$5,958,314	\$23,448,686 (2)	20.3%
Capital						
Bldgs/Improvements & Equip	\$43,246,800	\$0	\$134,870	\$134,870	\$43,111,930 (3)	0.3%
Intrafund Transfers	1,992,000	-	519,443	519,443	1,472,557	26.1%
Total Capital :	\$45,238,800	\$0	\$654,313	\$654,313	\$44,584,487	1.4%
Grand Total Expenditures:	\$74,645,800	\$1,328,047	\$5,284,579	\$6,612,626	\$68,033,174	8.9%
<i>Revenues</i>	FY 20/21 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
Operating						
Use of Money/Property	\$578,000		\$42,817	\$42,817	\$535,183	7.4%
Charges for Services	31,213,500		390,686	390,686	30,822,814	1.3%
Miscellaneous Revenues	60,000		1,740	1,740	58,260	2.9%
Donations/Contributions (Capital Labor)	-		74,280	74,280	(74,280) (4)	N/A
Total Operating:	\$31,851,500		\$509,523	\$509,523	\$31,341,977	1.6%
Capital						
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	5,178,000		108,309	108,309	5,069,691	2.1%
Bond/Loan Proceeds	15,416,600		-	-	15,416,600	0.0%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	14,078,000		519,443	519,443	13,558,557	3.7%
Total Capital:	\$34,702,600		\$627,751	\$627,751	\$34,074,849	1.8%
Grand Total Revenue:	\$66,554,100		\$1,137,274	\$1,137,274	\$65,416,826	1.7%

Cash on Hand as of 7/31/20

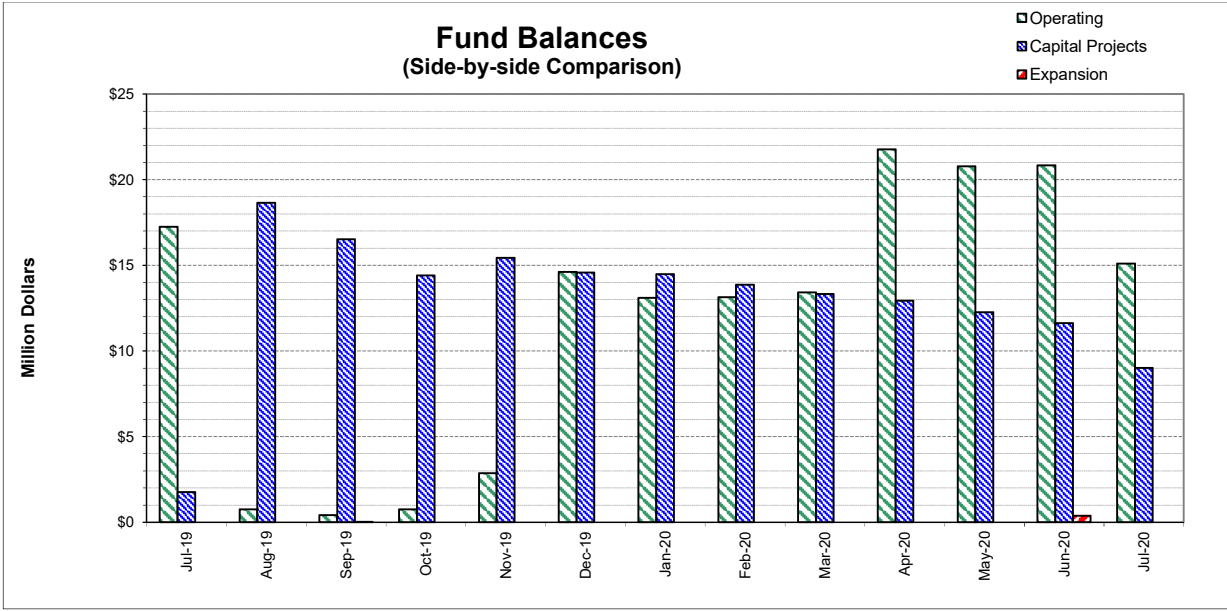
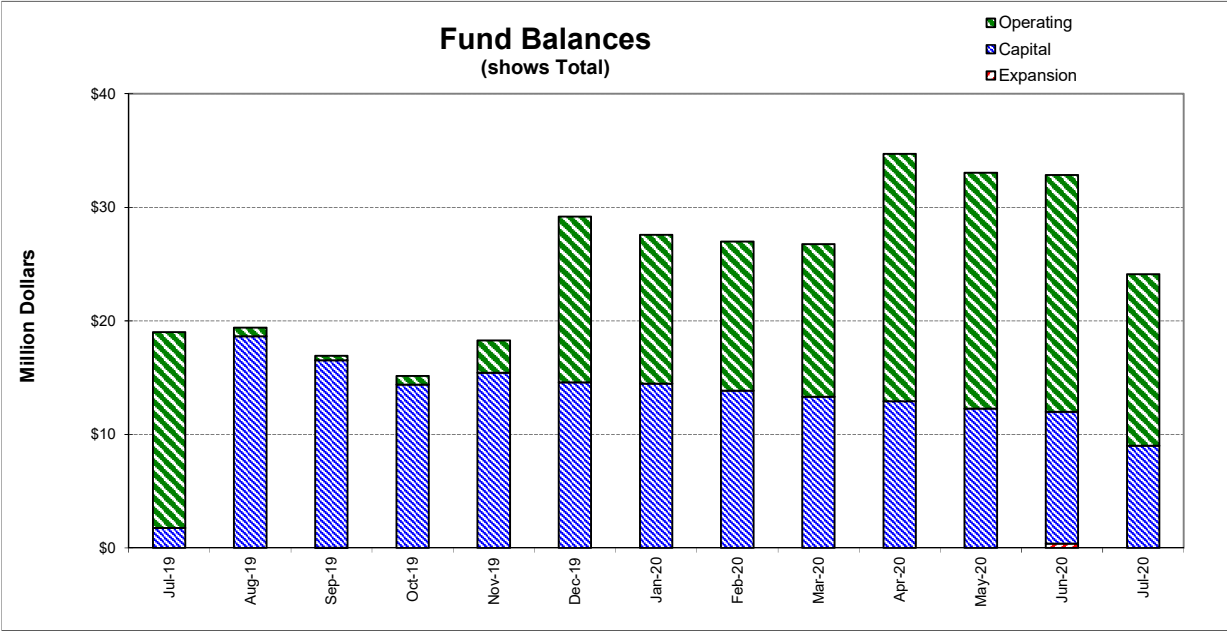
\$24,112,566

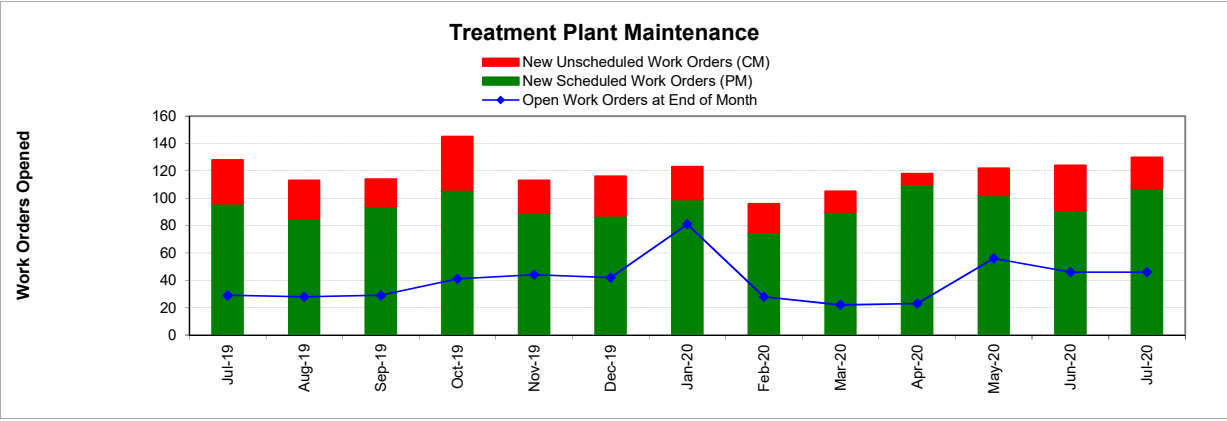
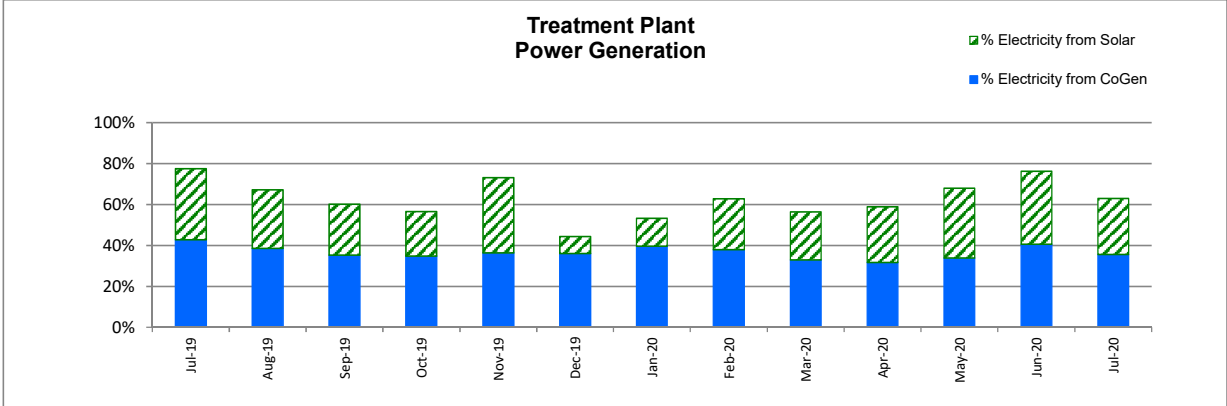
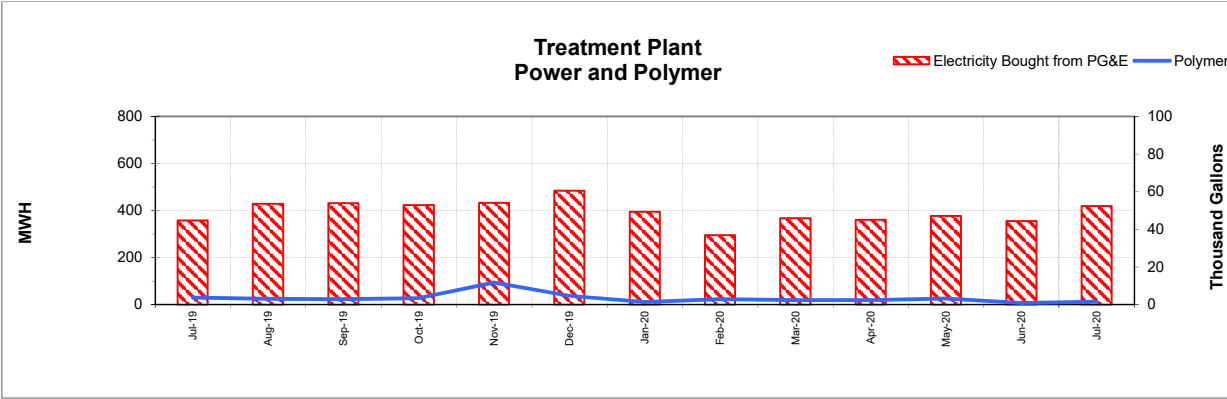
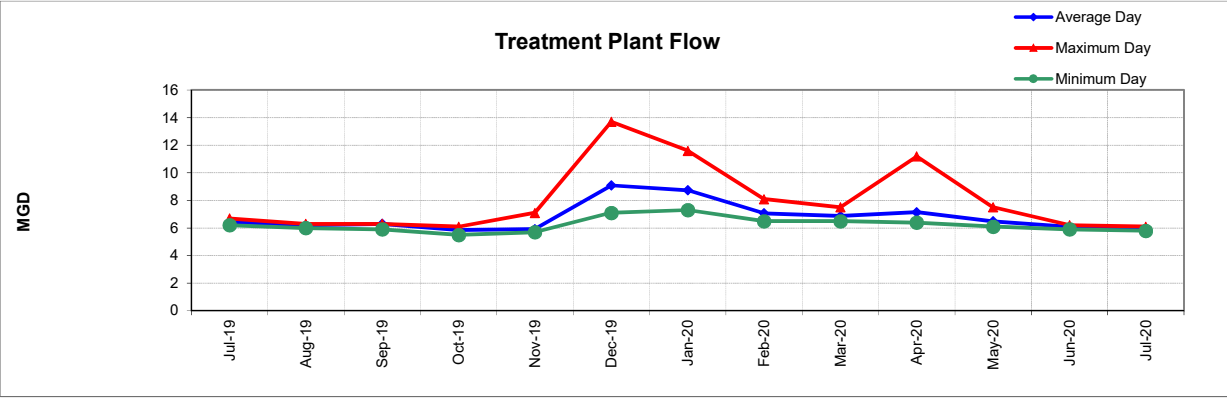
**excluding Debt Service restricted funds

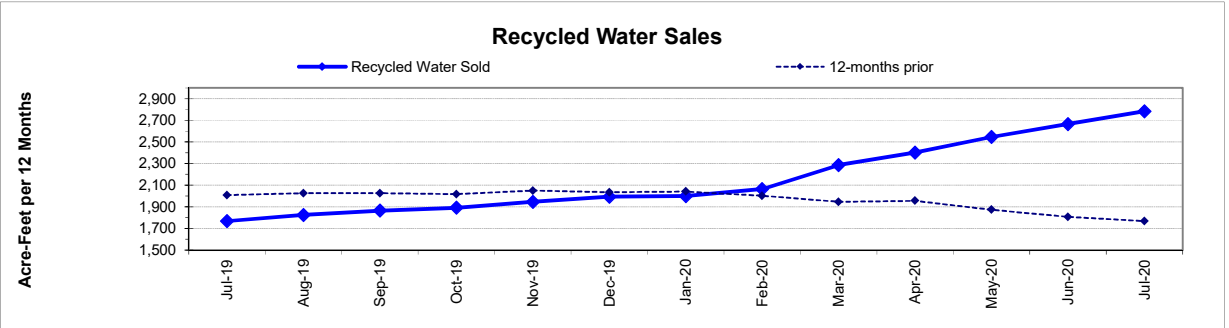
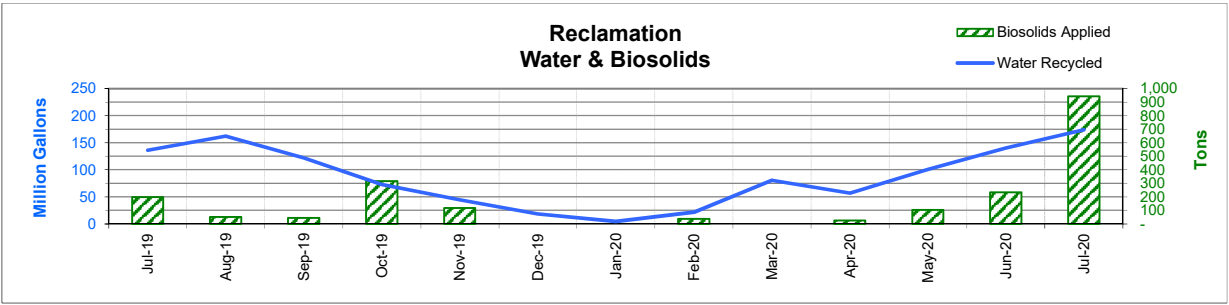
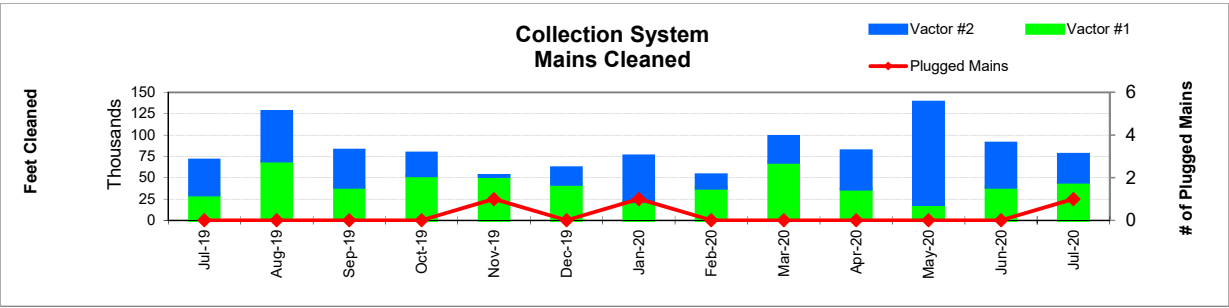
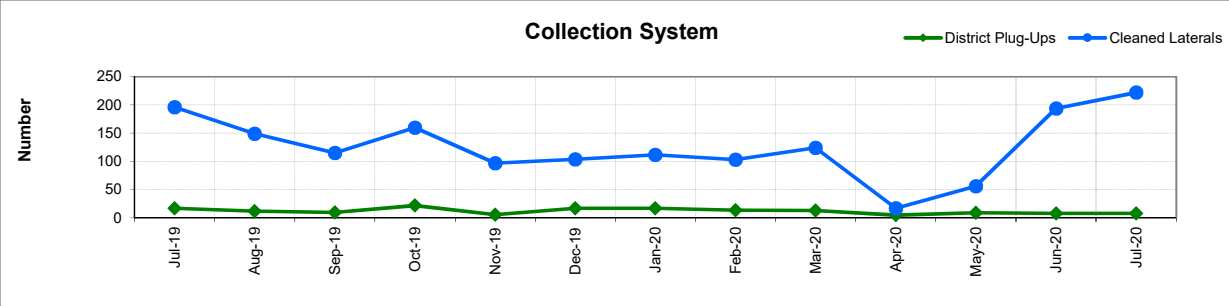
6/30/20 -Effective Rate of Return = 1.56%

Note: July's rate unavailable at the time of report

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 14.1%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)







FUND BALANCES - MONTHLY

CATEGORY	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
<i>(Thousand Dollars)</i>													
7800	17,246	748	415	753	2,858	14,616	13,107	13,136	13,427	21,767	20,787	20,841	15,104
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	17,246	748	415	753	2,858	14,616	13,107	13,136	13,427	21,767	20,787	20,841	15,104
Capital Improvement Projects	1,764	18,655	16,516	14,400	15,430	14,579	14,477	13,860	13,326	12,924	12,268	11,626	9,009
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	1,764	18,655	16,516	14,400	15,430	14,579	14,477	13,860	13,326	12,924	12,268	11,626	9,009
Total Discretionary Funds	19,010	19,403	16,931	15,153	18,288	29,195	27,584	26,996	26,753	34,691	33,055	32,467	24,113
Expansion Fund (Restricted)	-	-	2	-	-	-	-	-	-	-	-	378	-
Total Restricted Funds	-	-	2	-	-	-	-	-	-	-	-	378	-
TOTAL ALL FUNDS	19,010	19,403	16,933	15,153	18,288	29,195	27,584	26,996	26,753	34,691	33,055	32,845	24,113

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
<u>Phone Requests</u>													
Maps/Drawings	1	-	4	-	11	4	6	5	2	3	1	7	1
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	8	1	4	2	2	-	2	5	5	-	-	3	3
Development Questions	43	29	38	32	40	29	32	38	29	24	36	45	31
Miscellaneous	25	16	18	29	13	24	10	12	8	5	6	7	6
TOTAL	77	46	64	63	66	57	50	60	44	32	43	62	41
<u>Counter Requests</u>													
Maps/Drawings	1	-	-	1	-	-	-	-	-	-	-	-	-
Lateral Permits	8	12	13	7	7	8	5	19	20	7	10	10	15
Policy Questions	-	-	-	-	1	-	-	-	1	-	-	-	-
Development Questions	3	4	13	4	7	7	4	2	2	-	-	-	2
Miscellaneous	0	1	0	-	-	-	1	1	1	-	-	-	-
TOTAL	12	17	26	12	15	15	10	22	24	7	10	10	17
<u>Initial Request (Referrals)</u>	14	16	13	13	11	9	9	13	8	7	4	8	6
<u>Connection Permits Issued</u>													
Residential Permits	2	14	2	5	3	0	9	22	6	6	14	10	6
Commercial Permits	6	1	2	1	3	1	1	-	2	1	-	1	6
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	8	15	4	6	6	1	10	22	8	7	14	11	12
Residential Units	6	14	2	22	5	0	11	13	6	56	20	16	6
Commercial Units	2	1	2	1	133	1	1	-	2	1	-	20	6
TOTAL UNITS	8	15	4	23	138	1	12	13	8	57	20	36	12
<u>Annexations</u>													
Submitted	1	-	-	1	-	-	-	-	-	1	-	-	2
Acreage	16.04	-	-	44.84	-	-	-	-	-	0.50	-	-	18.2
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	7	8	8	5	8	24	12	5	12	7	13	12	12
Second Submittal	5	5	2	2	6	6	12	7	4	8	9	10	11
Third Submittal	5	1	3	7	3	6	4	5	3	2	4	8	4
<u>Building/Tenant Improvements</u>													
First Submittal	12	6	6	13	4	3	12	9	9	5	4	9	5
Second Submittal	4	1	4	5	1	4	3	2	6	4	2	10	4
Third Submittal	6	4	3	7	5	3	1	2	5	3	7	8	1
<u>Miscellaneous Plan Reviews</u>	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PLANS REVIEWED	39	25	26	39	27	46	44	30	39	29	39	57	37

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	5	11	4	6	1	2	4	4	3	3	-	-	1
Inspections - Mains	5	1	11	-	1	-	-	-	-	-	6	5	2
Inspections - Manholes	13	12	77	1	6	3	9	16	37	-	6	-	6
Inspections - Laterals	40	15	5	12	22	10	15	8	13	48	32	9	12
Inspections - Cleanouts	59	43	7	54	33	44	26	32	35	90	4	2	3
Inspections - Review Video	-	-	2	-	1	-	1	2	4	2	-	2	2
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	122	82	106	73	64	59	55	62	92	143	48	18	26
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	-	-	-	-	59	1	-	4	-	-	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	-	32	31	12	12	-	6	9	15	14	24	30	26
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	32	31	12	12	-	65	10	15	18	24	30	26
<u>SPECIAL PROJECTS</u>													
	25	22	35	23	19	30	10	0	11	26	23	22	23

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
<u>Outreach Activities</u>													
Plant Tours Conducted	1	0	0	2	5	0	3	2	0	0	0	0	0
Presentations Made	0	0	0	5	7	0	1	0	1	0	0	0	0
Total Outreach Activities	1	-	-	7	12	-	4	2	1	-	-	-	-
<u>Inspections Conducted</u>													
Food Service Facilities	-	1	-	-	-	1	1	62	21	-	-	-	-
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	-	1	-	-	-	1	1	62	21	-	-	-	-
<u>Compliance Issues</u>													
NOVs Issued	-	1	1	1	3	-	2	-	-	-	-	-	1
NOEs Issued	-	-	-	-	1	-	2	1	1	1	1	1	-
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	-	1	1	1	4	-	4	1	1	1	1	1	1
<u>Pollution Prevention</u>													
Clothes Washer Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	132	-	-	77	-	44	-	-	-	-	-	-	-

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
MONTHLY (MG)														
<u>Water Sold</u>														
Golf Courses	638.0	69.590	65.339	49.784	31.724	16.340	0.007	0.001	12.483	20.366	24.765	52.367	75.187	74.385
Cemeteries	57.1	5.515	5.659	4.822	4.061	3.028	0.250	0.222	0.514	3.078	3.422	3.965	4.958	5.192
Parks	18.5	0.939	1.219	1.111	0.615	0.028	-	-	-	0.001	-	0.271	1.188	1.670
Schools	12.6	2.196	1.712	1.635	1.312	0.792	0.085	0.044	0.157	0.685	0.716	2.146	2.341	2.926
Commerical	166.5	18.632	17.837	15.824	13.499	11.799	2.254	0.986	3.206	9.845	9.241	13.725	15.874	20.068
Vineyards	3,442.0	20.951	42.981	27.367	13.852	7.027	15.494	3.170	5.250	46.305	17.728	19.191	24.276	51.661
Trucked Water	175.0	1.293	1.374	1.425	1.401	1.097	0.476	0.227	0.134	0.415	1.147	3.612	3.079	1.988
Subtotal Sales	4,509.6	119.116	136.121	101.969	66.465	40.111	18.567	4.650	21.745	80.694	57.018	95.277	126.903	157.889
<u>District Use</u>														
Jameson	330.0	-	0.470	-	-	-	-	0.024	-	-	-	-	-	1.479
Somky	213.0	17.012	25.944	20.394	6.391	4.513	-	0.006	0.050	0.026	0.080	5.408	13.369	14.836
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	17.012	26.413	20.394	6.391	4.513	-	0.030	0.050	0.026	0.080	5.408	13.369	16.315
TOTAL DELIVERED	5,103.1	136.127	162.534	122.363	72.856	44.624	18.567	4.681	21.795	80.720	57.098	100.686	140.271	174.204
ANNUAL (AF)														
<u>Water Sold</u>														
Golf Courses	638.0	897	921	939	963	1,003	1,003	1,003	1,042	1,104	1,151	1,232	1,283	1,297
Cemeteries	57.1	95	97	99	102	102	101	100	102	110	116	117	121	120
Parks	18.5	13	14	16	17	15	15	15	15	15	15	15	16	19
Schools	12.6	34	33	33	33	33	33	33	33	35	37	40	42	45
Commerical	166.5	351	346	343	324	337	338	337	345	373	386	396	407	412
Vineyards	3,442.0	367	399	418	431	431	477	486	500	621	665	705	748	842
Trucked Water	175.0	13	15	18	22	24	25	26	26	27	31	40	48	50
Subtotal Sales	4,509.6	1,768	1,825	1,865	1,891	1,945	1,993	2,001	2,064	2,286	2,401	2,546	2,666	2,785
<u>District Use</u>														
Jameson	330.0	15	16	1	1	1	1	2	2	2	2	2	2	6
Somky	213.0	191	261	276	259	272	272	272	273	273	273	282	286	279
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	206	277	277	260	274	274	274	274	274	274	283	288	285
TOTAL DELIVERED	5,103.1	1,974	2,102	2,142	2,151	2,219	2,267	2,274	2,338	2,561	2,675	2,830	2,953	3,070

BIOSOLIDS HANDLING - MONTHLY

Site	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
<u>Land Applied by NSD</u>													
Somky													
Fagundes			44										
Jameson Canyon	197	52		316	117	-	-	37	-	26	103	234	49
Subtotal by NSD	197	52	44	316	117	-	-	37	-	26	103	234	49
<u>Land Applied by Contractor</u>													
Somky													893
Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	893
Total Land Applied	197	52	44	316	117	-	-	37	-	26	103	234	942
Off Site (Contractor)													
Total (tons)	197	52	44	316	117	-	-	37	-	26	103	234	942

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
Plugups													
Total Calls	45	46	45	68	38	60	68	39	35	31	37	34	23
Business Hours	33	30	36	51	28	37	42	25	22	23	25	25	17
After Hours	12	16	9	17	10	23	22	14	13	8	12	9	6
District's	17	12	10	22	6	17	17	14	13	5	9	8	8
Property Owner's	26	34	32	43	32	42	46	24	22	26	28	26	15
Plugged Main Lines	-	-	-	-	1	-	1	-	-	-	-	-	1
Run Lateral w/Eel	196	149	115	160	97	104	112	103	124	17	56	194	222
Cleaning (feet of sewer)													
Vactor #1	30,283	69,780	38,969	52,711	51,764	42,519	22,372	37,916	68,243	36,849	18,947	39,019	45,066
Vactor #2	39,800	57,405	43,059	25,762	610	18,811	52,620	15,049	29,691	44,336	119,112	50,948	31,916
Hydro											42,241	-	-
Rodder						558	-	-		2,915	-	-	-
Total (feet)	70,083	127,185	82,028	78,473	52,374	61,888	74,993	52,965	97,933	84,100	180,301	89,967	76,982
Cleaning Days													
Vactor #1	12	18	18	20	18	17	10	15	16	10	9	17	17
Vactor #2	16	21	15	8	1	10	16	5	8	11	17	16	11
Hydro											4	-	-
Rodder						2				2		-	-
Feet/day													
Vactor #1	2,500	3,250	2,500	2,800	2,750	2,150	2,900	2,650	4,100	3,650	6,000	2,750	2,750
Vactor #2	2,500	3,900	2,150	2,650	2,900	2,500	2,250	2,550	4,250	3,700	2,100	2,300	2,650
Hydro		2,750	2,850	3,200	600	1,900	3,300	3,000	3,700	4,050	7,000	3,200	2,900
Rodder						300			-	1,450	10,550		
Video Inspections													
Mains (feet)	32,551	40,819	22,837	17,404	10,825	-	13,832	30,961	26,158	6,798	27,649	16,016	24,214
Laterals (each)	254	214	190	247	165	182	188	180	206	75	109	239	270
Construction (each)													
Cleanouts	15	17	15	20	10	4	8	15	15	1	3	12	9
Laterals	14	16	16	10	9	10	10	8	4	-	4	19	6
Mains	-	-	-	-	-	-	1	-	-	-	-	-	-
Manholes	-	2		2		-		-	5	-	-	-	1
Other									-	-	-	-	-
USA Markings													
Regular (w/in 2 days)	378	363	331	332	224	290	271	423	232	258	260	284	278
Emergency (w/in 2 hours)	21	28	23	21	7	21	22	9	11	36	14	13	10

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

CATEGORY	Units	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
FLOWES		31	31	30	31	30	31	31	29	31	30	31	30	31
Influent	MG	199.3	192.5	182.1	181.6	177.6	281.6	271.0	204.9	212.9	214.3	201.2	182.5	182.3
Average Day	MGD	6.4	6.2	6.3	5.9	5.9	9.1	8.7	7.1	6.9	7.1	6.5	6.1	5.9
Maximum Day	Date	2-Jul	29-Aug	2-Sep	29-Oct	27-Nov	7-Dec	16-Jan	1-Feb	19-Mar	5-Apr	18-May	6-Jun	3-Jul
Maximum Day Flow	MG	6.7	6.3	6.3	6.1	7.1	13.7	11.6	8.1	7.5	11.2	7.5	6.2	6.1
Minimum Day	Date	24-Jul	6-Jan	24-Sep	10-Oct	1-Nov	17-Dec	7-Jan	25-Feb	12-Mar	30-Apr	10-May	30-Jun	31-Jul
Minimum Day Flow	MG	6.2	6.0	5.9	5.5	5.7	7.1	7.3	6.5	6.5	6.4	6.1	5.9	5.8
Effluent	MG	128.8	167.8	123.5	78.4	309.7	344.4	286.6	204.0	133.7	236.6	110.0	159.3	192.5
River Discharge	MG	-	-	-	-	265.0	323.2	271.3	177.3	77.9	174.6	-	-	-
Recycled Flow	MG	128.8	167.8	123.5	78.4	44.6	21.2	15.3	26.7	55.7	58.6	98.3	159.3	192.5
BIOSOLIDS	Tons	624	830	714	750	762	769	643	523	685	638	473	738	695
Wet Tons Generated from Pond	Tons											-		
Wet Tons Generated from Plant	Tons	624	830	714	750	762	769	643	523	685	638	473	738	695
% Solids Liquid	%													
% Solids Cake	%													
% Solids Land Application	%													
Wet Tons Hauled Offsite	Tons													
POLYMER USE	Gallons	3,745	3,153	3,038	3,499	11,780	4,681	1,363	3,036	2,498	2,490	3,271	861	1,548
Pond Pre-Flocculators	Gallons	494	326	257	540	6,311	2,114	-	217	-	-	-	-	163
Flocculator Polymer 1	Gallons	-	-	-	-	-	-	-	-	-	-	-	-	-
Flocculator Polymer 2	Gallons	119	61	86	203	427	382	206	37	146	301	-	-	20
Filter Polymer 1	Gallons	2,499	1,963	1,832	1,841	4,401	1,378	354	2,128	1,608	1,463	2,874	342	762
Filter Polymer 2	Gallons				-	-	-	-	-	120	179	-	-	-
Belt Presses	Gallons	633	803	863	915	641	807	803	654	624	547	397	519	603
ENERGY														
Total Electricity Used	MWH	625	698	688	648	680	759	654	547	607	594	570	598	652
Purchased from PGE	MWH	358	429	431	423	433	485	395	295	368	361	377	355	420
Produced from Co-Gen	MWH	267	269	257	225	247	274	259	252	239	233	193	243	232
Percent Produced	%	43%	39%	35%	35%	36%	36%	40%	38%	33%	32%	34%	41%	36%
Purchased from Solar	MWH	217	200	171	141	98	62	89	136	142	162	194	213	210
Percent Produced		35%	29%	25%	22%	37%	8%	14%	25%	23%	27%	34%	36%	27%
Purchased Natural Gas	Therms	2,028	1,180	1,222	1,633	1,800	2,220	1,807	1,595	2,132	1,920	1,253	1,346	1,549
Methane Flared Off	MCF	282	251	126	220	214	593	88	190	731	137	18	77	26
Stand By Calls	#	64	50	50	59	88	66	65	47	51	39	72	47	44
Violations	#	-	-	-	-	-	-	-	-	-	-	-	-	-

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20
<u>Scheduled</u>													
Old	31	7	7	8	17	24	23	49	5	6	9	39	25
New	96	85	94	106	89	87	99	75	90	110	102	91	107
Completed	120	85	93	97	82	88	73	119	89	107	72	105	107
New Balance	7	7	8	17	24	23	49	5	6	9	39	25	25
<u>Unscheduled</u>													
Old	18	22	21	21	24	20	19	32	23	16	14	17	21
New	32	28	20	39	24	29	24	21	15	8	20	33	23
Completed	28	29	20	36	28	30	11	30	22	10	17	29	23
New Balance	22	21	21	24	20	19	32	23	16	14	17	21	21
<u>Total Work Orders</u>													
Old	49	29	28	29	41	44	42	81	28	22	23	56	46
New	128	113	114	145	113	116	123	96	105	118	122	124	130
Completed	150	113	113	133	110	116	84	149	112	118	90	135	130
New Balance	29	28	29	41	44	42	81	28	22	23	56	46	46
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	129	149	142	147	240	176	157	192	213	237	140	172	220
Process Control	869	838	818	893	1,010	1,072	1,208	1,039	1,058	1,015	708	815	776
Special Request	1	22	26	46	38	16	-	32	16	12	20	140	38
Quality Control/Assurance	632	600	607	774	957	839	923	1,324	1,043	1,058	595	622	661
TOTAL	1,631	1,609	1,593	1,860	2,245	2,103	2,288	2,587	2,330	2,322	1,463	1,749	1,695

**Summary of NSD Capital Project Status
through 07-31-20**

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		-	62,100	-
13702	Manhole Raising/Rehab	250,000			250,000		77	249,923	0%
13703	Lateral Replacement/Rehab	113,900			113,900		1,536	112,364	1%
13704	Cleanouts Installation/Rehab	110,700			110,700		3,093	107,607	3%
13705	I&I Reduction Program	30,000			30,000		-	30,000	-
14703	Browns Valley Rd & First St	14,000,000			14,000,000		64,691	13,935,309	0%
18702	Coll Sys Asset Mgmt Software	-			-		3,588	(3,588)	-
19701	66-inch Trunk Rehab	11,000,000			11,000,000		1,152	10,998,848	0%
19703	Sewer System I&I 2020	3,850,000			3,850,000		20,206	3,829,794	1%
19727	Coll Sys Master Plan	-			-		279	(279)	-
20702	Manhole Rehabilitation	250,000			250,000		-	250,000	-
20703	2021 Collection System Rehab	3,410,000			3,410,000		2,243	3,407,757	0%
21701	2022 Collection System Rehab	20,000			20,000		-	20,000	-
	<u>COLLECTION SYSTEM - EQUIPMENT</u>								
21702	Pickup-mounted Camera Sys	65,000			65,000		-	65,000	-
	<u>COLLECTION SYSTEM - LIFT STATIONS</u>								
17711	West Napa PS - Rehab	5,500,000			5,500,000		4,583	5,495,417	0%
19705	Stonecrest PS Pump Rebuild	-			-			-	-
21703	River Park Pump Rebuild	19,300			19,300		-	19,300	-
	<u>TREATMENT - PROJECTS</u>								
13745	Pond 1 Dredge	-					3,486		
18740	Treatment Plant Project 2019	-			-			-	-
20706	WWTP Master Plan	1,235,400			1,235,400		1,061	1,234,339	0%
20707	Pond Levee Repair	700,000			700,000		864	699,136	0%
20708	2020 Treatment Plant Imprvmnts	-			-		1,950	(1,950)	-
	<u>TREATMENT - EQUIPMENT</u>								
13735	Dual Fuel Boiler Burner	-			-			-	-
15707	DAFT Overflow Pumps (2)	12,300			12,300		-	12,300	-

**Summary of NSD Capital Project Status
through 07-31-20**

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
16712	Primary Clarifier Mech-Struct	700,000			700,000		2,368	697,632	0%
17726	Headworks Equip Rehab/Rplcmnt	-			-		154	(154)	-
18718	Sec Clarifier Mech/Strct Rehab	83,200			83,200		-	83,200	-
18720	Neuros Blowers Rebuild	-			-			-	-
18722	FOG Station Water Heater	-			-			-	-
19708	Rotork Actuator Rplcmnt	-			-			-	-
19709	Polymer Tank Rplcmnt	207,000			207,000		-	207,000	-
19710	12kV Redundant Line	-			-			-	-
19715	ARV Rplcmnt	-			-			-	-
20709	AB Caustic Pumps & Enclosure	-			-		856	(856)	-
20710	Septage Pump & Motor Rplcmnt	-			-			-	-
20711	Marsh-to-Pond PS Upgrade	-			-		170	(170)	-
20712	Grit Pump Rebuild	-			-			-	-
20713	Elevator Control Update	-			-			-	-
20715	Concrete Pipe Chase Covers	-			-			-	-
20716	Plant Door Replacement PH 1	-			-			-	-
21704	Headworks - Washer Compactor	314,400			314,400		-	314,400	-
21705	Pipe Threader	13,000			13,000		-	13,000	-
21706	Rotork Actuator Replacement	101,800			101,800		-	101,800	-
21707	Digester Roof Grating Rplcmnt	110,900			110,900		-	110,900	-
21708	Head works - Roof Replacement	80,300			80,300		-	80,300	-
21709	Plant Door Replacement - Ph 2	23,000			23,000		-	23,000	-
21710	Veh 175 - F-150	31,000			31,000		-	31,000	-
	<u>LAB - EQUIPMENT</u>								
21711	Autoclave Rplcmnt	34,400			34,400		-	34,400	-
21712	Sampler 4700 Rplcmnt	10,400			10,400		-	10,400	-
	<u>SCADA</u>								
18729	SCADA MP Proj 1 Ntwk Mntrng	-			-			-	-
19718	SCADA MP PH 5 Security Stdy	-			-			-	-
21713	SCADA Network Upgrades	225,000			225,000		-	225,000	-
21714	Alarm Evaluation & Programming	25,000			25,000		-	25,000	-

**Summary of NSD Capital Project Status
through 07-31-20**

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>RECYCLING - PROJECTS</u>								
18731	Coombsville Truck Fill Station	-			-		538	(538)	-
20721	Kirkland RW Pipeline Rehab	-			-		230	(230)	-
	<u>RECYCLING - EQUIPMENT</u>								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700		-	30,700	-
20722	Badger Meter Replacement	-			-			-	-
21715	Soscol Recycle Pump #2 Rehab	160,700			160,700		-	160,700	-
21716	Veh 174 - Ford F-350 SB	75,700			75,700		-	75,700	-
21717	Veh 723 - Water Trailer	42,800			42,800		-	42,800	-
	<u>OTHER</u>								
13729	Development Technical Support	348,800			348,800		21,746	327,054	6%
19723	AV Sys Rplcmnt - Conf Rms	-			-			-	-
		\$43,246,800	-	-	\$43,246,800	-	\$134,870	\$43,115,415	0%