



Napa Sanitation District

General Manager's Report

for

March 2020

Contents:

- a. Transmittal Memo
- b. Budget Status and Cash Summary
- c. Key Information Graphs – Fund Balances, Treatment Plant and Collection
- d. Fund Balances
- e. Development Processing
- f. Construction Inspection
- g. Pollution Prevention
- h. Recycled Water Deliveries
- i. Biosolids Handling
- j. Collection System Maintenance
- k. Treatment Plant Operations
- l. Treatment Plant Maintenance & Laboratory
- m. Capital Project Expenditure Summary



DATE: May 6, 2020
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for March 2020

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 0 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, 2019 – March 31, 2020
Percent Fiscal Year:	75.0%
Operating Expenditures to date:	53.6%
Historical Expenditures to date:	75.3%
Significant Comments:	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 last fiscal year, the Capital Fund has had sufficient funds for this fiscal year, 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.

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	Continued recruitment for Plant Attendant position
Injuries:	None

COLLECTIONS:

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 0 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 6. They also repaired 4 laterals and lined 0 laterals and repaired 5 Man Holes. Additionally, the service response/programs crew completed 172 work orders in support of the grease and odor control program, responded to 35 customer requests for service (13 were NSD problem) and closed out 243 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 124 laterals, cleaned approximately 97,933.2 feet of main line and CCTV inspected 48 laterals. In addition, the CCTV truck televised 26,158.1 feet of mainline.

TREATMENT PLANT:

Significant events for the month of March 2020 in the Treatment Plant Department: None.

Plant Operations:

- For March 2020, the plant's influent flow was 212.9 MG as compared to last year flow for March 2019 of 465.3 MG
- There was 0.86" rainfall for March 2020 (Carneros Rainfall Center) as compared to 3.94" rainfall for March 2019.
- Pond 4 end of the month recorded level reading was 46.53".

Power Consumption and Production:

- March power purchased from PG&E was 368 MWH in comparison to March 2019 purchase of 504 MWH.
- Cogeneration unit ran 639 of 744 hours for the month – 85.89% uptime, averaging 314.10 Kw, producing 200 MWH of energy.
- Solar generation in March was 142 MWH, compared to 136 MWH in February and 145 MWH in March 2019.

Maintenance:

Significant events for the month of March 2020:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Cogen Service:
 - Replaced Heads, Spark Plugs and Admission Valves
- Gas Compressor Service:
 - Replaced Valve Packs
 - Oil and Filter change
 - Over Pressure Valve/clean and test
- Standby Generators Service:
 - Oil and Filter change
 - Filter change/Fuel, Coolant and Air
- Replaced VFD/Filter Floc Mixer #2
- Somky Telemetry/replaced battery and temperature sensor
- 3 Water Filter/installed 80 micron screens

Projects

- Completed CIP 20712/Grit Pumps Rebuild
- Up-graded Fuel Monitoring Panel/Standby Generators
- Flare/added inlet Louver-Dampener

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 were no violations of **Effluent** limits during the month of March 2020. All parameters were monitored at the required frequencies. The following were notable sampling events:

- March 3, 2020: Mercury, Metals, Cyanide, Nutrients
- March 2-6, 2020: Acute Toxicity Bioassay
- March 24, 2020: Nutrients

Influent (INF-001) Summary

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

- March 3, 2020: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for March 2020 include:

- Recycled water delivered for the month of March 2020 was (80.697 million gallons), as compared to March 2019 (8.142 million gallons) is higher from the previous year due to vineyard irrigation reservoir filling, golf course, commercial landscape and truck hauling. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff suspended land application of biosolids at the Jameson Reuse site until soil conditions support equipment.

POLLUTION PREVENTION:

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

- Tim gave an informational presentation to the Kiwanis Club on March 5th. Tours of the facility were cancelled due to the COVID-19 pandemic.
- No medication was collected in March. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 22,118.2 pounds. Staff continues to work to find a new home for the drug takeback bin that was located at Family Drug.
- There were no ESME Washer Rebates issued this month.
- Staff worked to put together the Virtual Earth Day event to take place April 15th to April 30th.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

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

- Consultant continued work on the SCADA Master Plan.
- Consultants and staff continued work on the CMMS implementation.
- Staff issued Notice to Proceed to the contractor for the Pond Biosolids Removal and Reuse Project.
- Staff issued notice-to-proceed to the contractor for the Browns Valley Trunk Project.
- Staff issued notice-to-proceed to the contractor for the West Napa Pump Station Project.
- Contractor continued construction of the Headworks Equipment Replacement Project.

- Contractor completed construction of the 2019 Treatment Plant Improvements Project.
- Contractor continued construction of the Southeast Napa Sewer and Roadway Rehabilitation Project.
- Contractor continued construction of the 2020 Collection System Rehabilitation Project.
- Consultant continued design of the 66-inch Trunk Sewer Rehabilitation Project.
- Contractor continued construction of the 2019 Manhole Rehabilitation 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 a Request for Proposals to consultants for the Wastewater Treatment Plant Master Plan.
- Staff reviewed 39 sets of development plans and deemed 15 sets of plans complete. The approved plans consisted of 7 residential dwellings, 1 residential lateral, 1 commercial building and 6 tenant improvements.

Budget Status & Cash Summary - July 1, 2019 - March 31, 2020 (75.0% of the year)

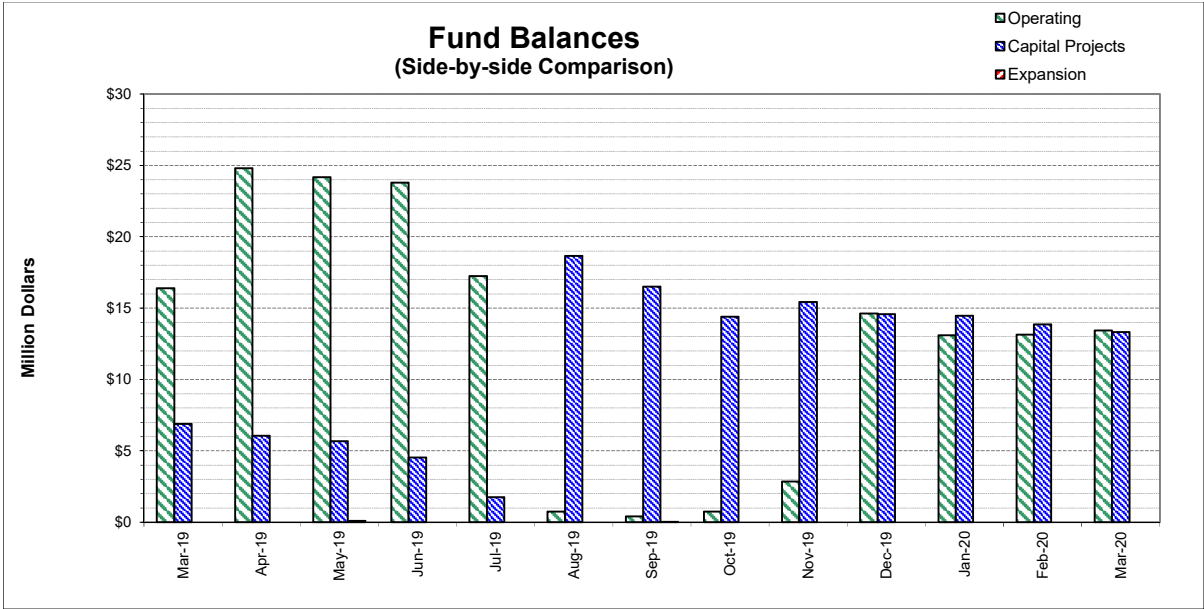
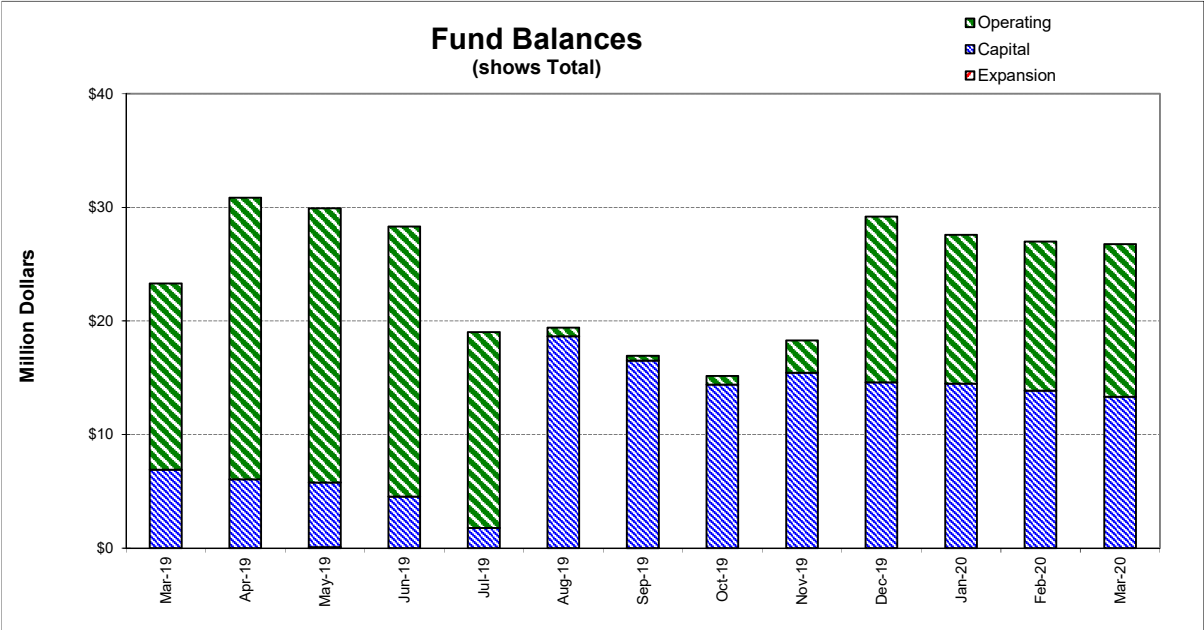
<i>Expenditures</i>	FY 19/20 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
Operating						
Salaries & Benefits	\$10,258,600	\$416	\$6,966,008	\$6,966,424	\$3,292,176	67.9%
Services & Supplies	6,281,650	1,037,662	3,501,533	4,539,195	1,742,455	72.3%
Taxes	41,800	-	15,271	15,271	26,529	36.5%
Debt Service	4,593,900	-	4,592,368	4,592,368	1,532 (1)	100.0%
Intrafund Transfers	8,900,000	-	-	-	8,900,000	0.0%
Total Operating:	\$30,075,950	\$1,038,077	\$15,075,180	\$16,113,257	\$13,962,693 (2)	53.6%
Capital						
Bldgs/Improvements & Equip	\$39,047,000	\$11,320,514	\$8,118,347	\$19,438,861	\$19,608,139 (3)	49.8%
Intrafund Transfers	5,178,000	-	3,429,971	3,429,971	1,748,029	66.2%
Total Capital :	\$44,225,000	\$11,320,514	\$11,548,317	\$22,868,832	\$21,356,168	51.7%
Grand Total Expenditures:	\$74,300,950	\$12,358,592	\$26,623,497	\$38,982,089	\$35,318,861	52.5%

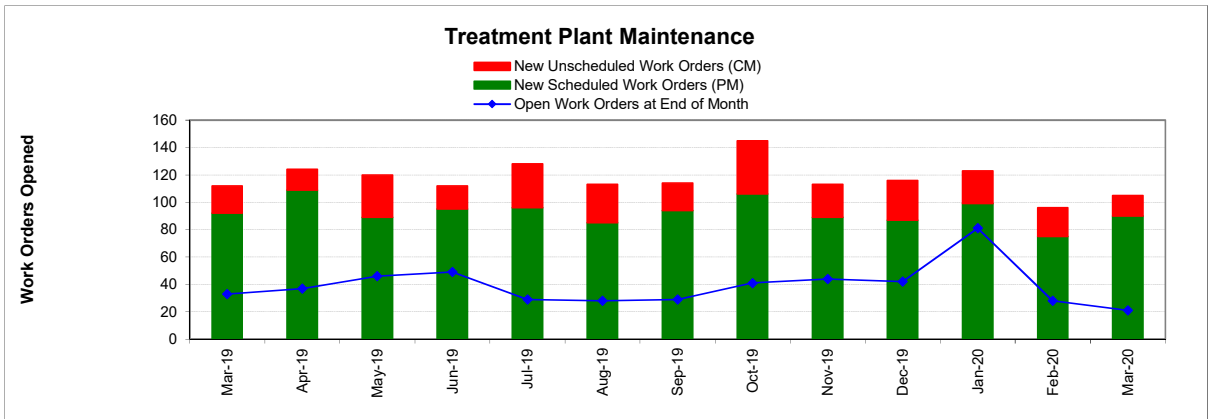
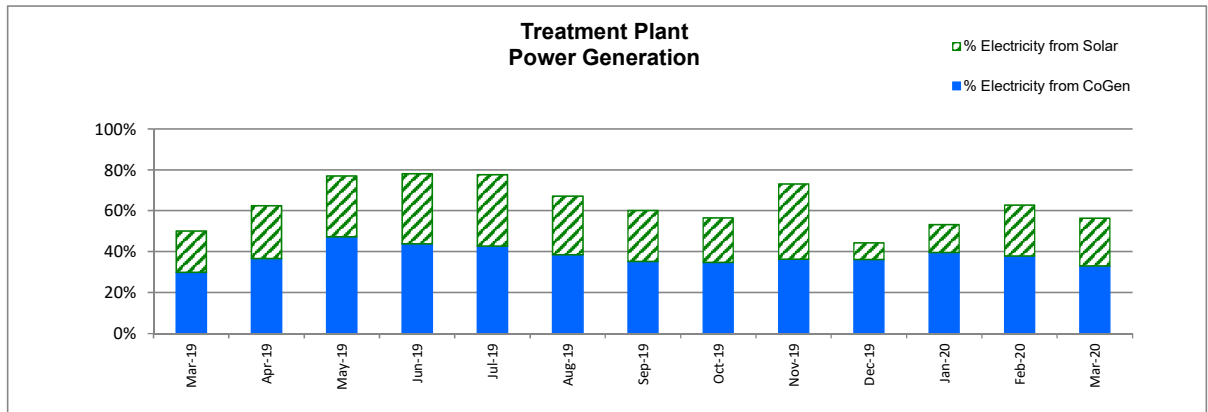
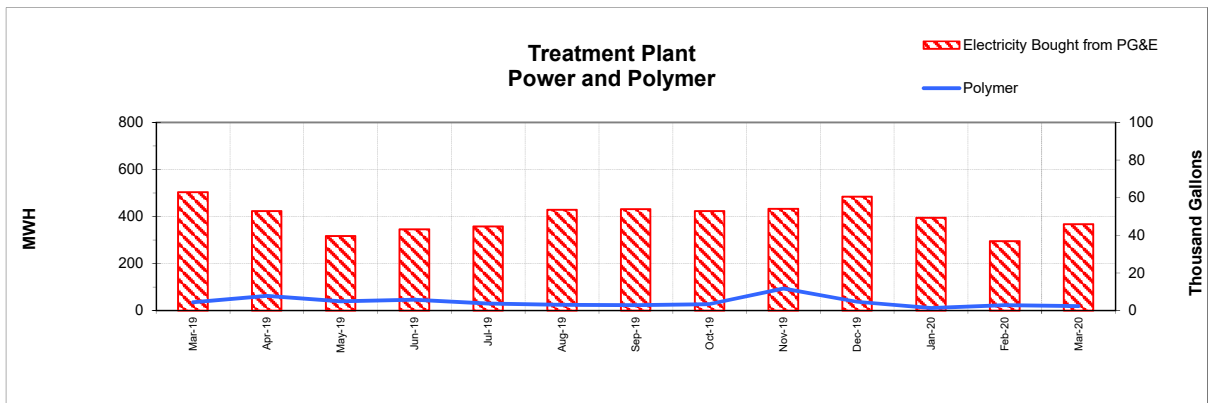
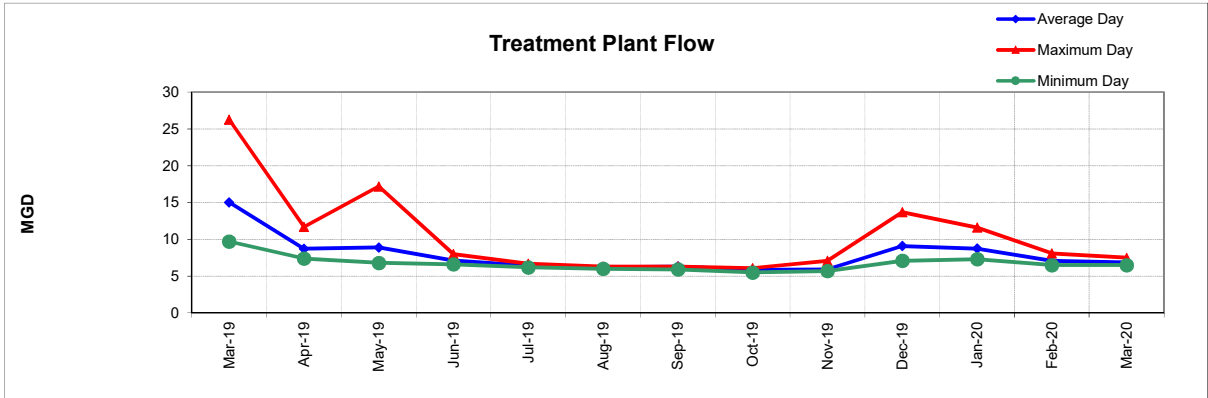
<i>Revenues</i>	FY 19/20 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
Operating						
Use of Money/Property	\$578,000		\$1,115,297	\$1,115,297	(\$537,297) (4)	193.0%
Charges for Services	31,213,500		20,198,406	20,198,406	11,015,094	64.7%
Miscellaneous Revenues	60,000		37,527	37,527	22,473	62.5%
Donations/Contributions (Capital Labor)	-		605,618	605,618	(605,618) (5)	N/A
Total Operating:	\$31,851,500		\$21,956,849	\$21,956,849	\$9,894,651	68.9%
Capital						
Use of Money/Property	\$0		\$3,706	\$3,706	(\$3,706)	N/A
Capacity Charges	5,178,000		3,165,103	3,165,103	2,012,897	61.1%
Bond/Loan Proceeds	15,416,600		-	-	15,416,600 (6)	0.0%
Sale of Assets	25,000		5,244	5,244	19,756	21.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	14,078,000		3,429,971	3,429,971	10,648,029	24.4%
Total Capital:	\$34,702,600		\$6,890,603	\$6,890,603	\$27,811,997	19.9%
Grand Total Revenue:	\$66,554,100		\$28,847,451	\$28,847,451	\$37,706,649	43.3%

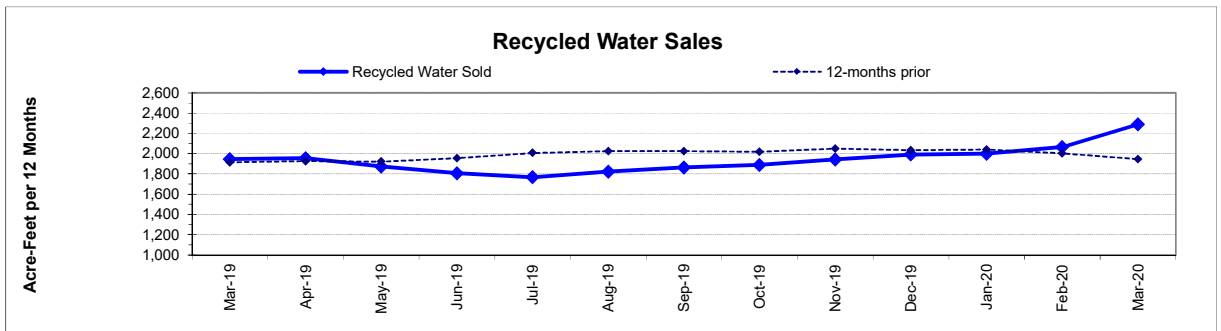
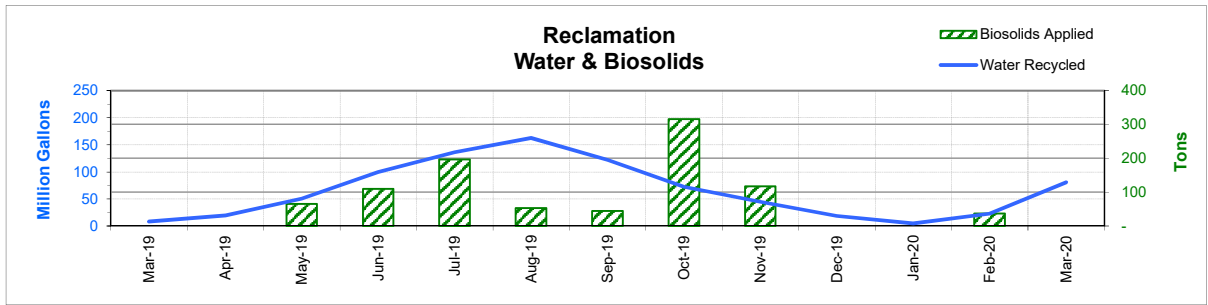
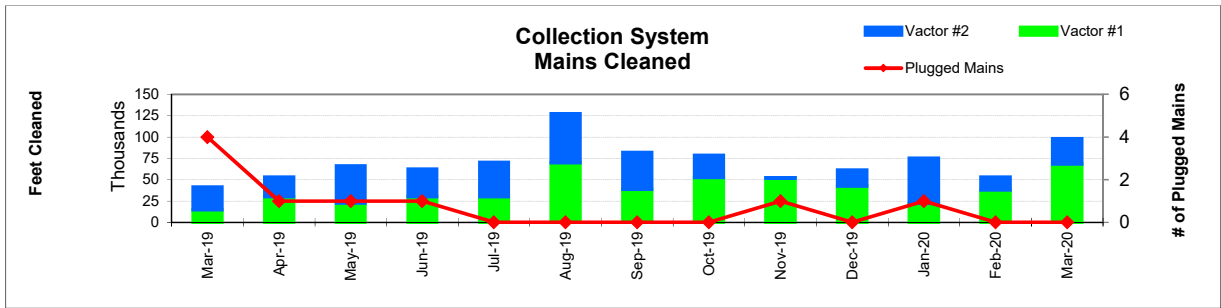
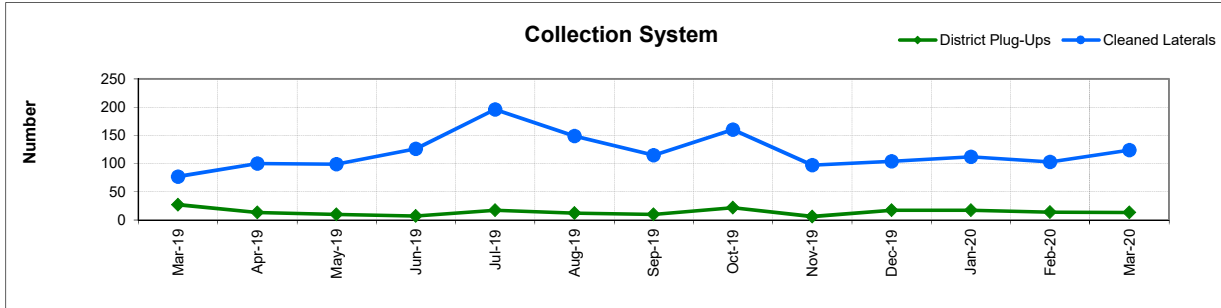
Cash on Hand as of 3/31/20 **\$26,753,395**

**excluding Debt Service restricted funds
3/31/20 -Effective Rate of Return = 1.26%

1. Series 2012A's and 2017's principal/interest payments are made in Jul & Jan
2. Includes Debt Service and Intrafund Transfers; otherwise is 69.5%
3. See Capital Project Status report for details
4. More interest was earned on a higher-than-expected cash balance
5. In-house Labor for Capital Projects (Contra acct for Salaries)
6. Expect to receive some proceeds of SRF Loan for BVT and WNPS Projects at the end of FY.







FUND BALANCES - MONTHLY

CATEGORY	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<i>(Thousand Dollars)</i>													
7800	16,405	24,793	24,164	23,784	17,246	748	415	753	2,858	14,616	13,107	13,136	13,427
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	16,405	24,793	24,164	23,784	17,246	748	415	753	2,858	14,616	13,107	13,136	13,427
Capital Improvement Projects	6,899	6,058	5,671	4,525	1,764	18,655	16,516	14,400	15,430	14,579	14,477	13,860	13,326
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	6,899	6,058	5,671	4,525	1,764	18,655	16,516	14,400	15,430	14,579	14,477	13,860	13,326
Total Discretionary Funds	23,304	30,851	29,835	28,309	19,010	19,403	16,931	15,153	18,288	29,195	27,584	26,996	26,753
Expansion Fund (Restricted)	-	-	93	-	-	-	2	-	-	-	-	-	-
Total Restricted Funds	-	-	93	-	-	-	2	-	-	-	-	-	-
TOTAL ALL FUNDS	23,304	30,851	29,928	28,309	19,010	19,403	16,933	15,153	18,288	29,195	27,584	26,996	26,753

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<u>Phone Requests</u>													
Maps/Drawings	4	-	17	8	1	-	4	-	11	4	6	5	2
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	5	5	10	6	8	1	4	2	2	-	2	5	5
Development Questions	48	53	79	64	43	29	38	32	40	29	32	38	29
Miscellaneous	25	29	29	18	25	16	18	29	13	24	10	12	8
TOTAL	82	87	135	96	77	46	64	63	66	57	50	60	44
<u>Counter Requests</u>													
Maps/Drawings	-	1	-	-	1	-	-	1	-	-	-	-	-
Lateral Permits	11	7	11	7	8	12	13	7	7	8	5	19	20
Policy Questions	3	4	-	-	-	-	-	-	1	-	-	-	1
Development Questions	13	10	7	10	3	4	13	4	7	7	4	2	2
Miscellaneous	-	0	2	0	0	1	0	-	-	-	1	1	1
TOTAL	27	22	20	17	12	17	26	12	15	15	10	22	24
<u>Initial Request (Referrals)</u>	16	24	20	9	14	16	13	13	11	9	9	13	8
<u>Connection Permits Issued</u>													
Residential Permits	5	2	6	3	2	14	2	5	3	0	9	22	6
Commercial Permits	1	2	3	1	6	1	2	1	3	1	1	-	2
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	6	4	9	4	8	15	4	6	6	1	10	22	8
Residential Units	36	2	6	3	6	14	2	22	5	0	11	13	6
Commercial Units	1	2	3	1	2	1	2	1	133	1	1	-	2
TOTAL UNITS	37	4	9	4	8	15	4	23	138	1	12	13	8
<u>Annexations</u>													
Submitted	-	-	1	-	1	-	-	1	-	-	-	-	-
Acreage	-	-	0.50	-	16.04	-	-	44.84	-	-	-	-	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	6	5	14	8	7	8	8	5	8	24	12	5	12
Second Submittal	6	3	8	6	5	5	2	2	6	6	12	7	4
Third Submittal	3	4	10	5	5	1	3	7	3	6	4	5	3
<u>Building/Tenant Improvements</u>													
First Submittal	7	15	3	9	12	6	6	13	4	3	12	9	9
Second Submittal	5	2	3	4	4	1	4	5	1	4	3	2	6
Third Submittal	3	7	-	7	6	4	3	7	5	3	1	2	5
<u>Miscellaneous Plan Reviews</u>													
Miscellaneous Plan Reviews	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PLANS REVIEWED	30	36	38	39	39	25	26	39	27	46	44	30	39

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	3	5	7	2	5	11	4	6	1	2	4	4	3
Inspections - Mains	1	-	-	1	5	1	11	-	1	-	-	-	-
Inspections - Manholes	19	18	6	7	13	12	77	1	6	3	9	16	37
Inspections - Laterals	31	21	8	27	40	15	5	12	22	10	15	8	13
Inspections - Cleanouts	39	46	43	24	59	43	7	54	33	44	26	32	35
Inspections - Review Video	2	1	1	1	-	-	2	-	1	-	1	2	4
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	95	91	65	62	122	82	106	73	64	59	55	62	92
<u>MISCELLANEOUS</u>													
Meter Readings	-	4	14	-	-	-	-	-	-	-	59	1	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	13	20	16	-	-	32	31	12	12	-	6	9	15
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	13	24	30	-	-	32	31	12	12	-	65	10	15
<u>SPECIAL PROJECTS</u>	21	20	21	40	25	22	35	23	19	30	10	0	11

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<u>Outreach Activities</u>													
Plant Tours Conducted	1	10	1	6	1	0	0	2	5	0	3	2	0
Presentations Made	2	3	1	2	0	0	0	5	7	0	1	0	1
Total Outreach Activities	3	13	2	8	1	-	-	7	12	-	4	2	1
<u>Inspections Conducted</u>													
Food Service Facilities	26	47	21	-	-	1	-	-	-	1	1	62	21
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	26	47	21	-	-	1	-	-	-	1	1	62	21
<u>Compliance Issues</u>													
NOVs Issued	1	1	2	1	-	1	1	1	3	-	2	-	-
NOEs Issued	-	-	-	-	-	-	-	-	1	-	2	1	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	1	1	2	1	-	1	1	1	4	-	4	1	1
<u>Pollution Prevention</u>													
Clothes Washer Rebates	-	19	-	2	-	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	102	-	45	73	132	-	-	77	-	44	-	-	-

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	0.014	9.555	25.976	58.629	69.590	65.339	49.784	31.724	16.340	0.007	0.001	12.483	20.366
Cemeteries	57.1	0.273	1.494	3.671	3.658	5.515	5.659	4.822	4.061	3.028	0.250	0.222	0.514	3.078
Parks	18.5	-	0.020	0.263	0.843	0.939	1.219	1.111	0.615	0.028	-	-	-	0.001
Schools	12.6	0.041	0.251	0.988	1.655	2.196	1.712	1.635	1.312	0.792	0.085	0.044	0.157	0.685
Commerical	166.5	0.648	4.974	10.516	12.142	18.578	17.787	15.775	13.443	11.762	2.254	0.986	4.580	9.822
Vineyards	3,442.0	7.149	3.250	6.107	10.475	20.951	42.981	27.367	13.852	7.027	15.494	3.170	5.250	46.305
Trucked Water	175.0	0.017	0.110	0.421	0.533	1.293	1.374	1.425	1.401	1.097	0.476	0.227	0.134	0.415
Subtotal Sales	4,509.6	8.142	19.654	47.943	87.935	119.063	136.071	101.920	66.409	40.073	18.567	4.650	23.119	80.671
District Use														
Jameson	330.0	-	-	-	-	-	0.470	-	-	-	-	0.024	-	-
Somky	213.0	-	-	2.504	11.985	17.012	25.944	20.394	6.391	4.513	-	0.006	0.050	0.026
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	-	-	2.504	11.985	17.012	26.413	20.394	6.391	4.513	-	0.030	0.050	0.026
TOTAL DELIVERED	5,103.1	8.142	19.654	50.447	99.920	136.074	162.484	122.314	72.800	44.586	18.567	4.681	23.169	80.697
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	972	991	909	880	897	921	939	963	1,003	1,003	1,003	1,042	1,104
Cemeteries	57.1	88	91	93	93	95	97	99	102	102	101	100	102	110
Parks	18.5	15	15	13	13	13	14	16	17	15	15	15	15	15
Schools	12.6	37	37	35	33	34	33	33	33	33	33	33	33	35
Commerical	166.5	335	341	343	342	350	346	342	323	336	337	336	348	376
Vineyards	3,442.0	485	470	470	436	367	399	418	431	431	477	486	500	621
Trucked Water	175.0	13	11	11	11	13	15	18	22	24	25	26	26	27
Subtotal Sales	4,509.6	1,945	1,956	1,874	1,808	1,768	1,824	1,864	1,891	1,944	1,992	2,000	2,067	2,290
District Use														
Jameson	330.0	15	15	15	15	15	16	1	1	1	1	2	2	2
Somky	213.0	171	171	143	139	191	261	276	259	272	272	272	273	273
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	187	187	158	154	206	277	277	260	274	274	274	274	274
TOTAL DELIVERED	5,103.1	2,132	2,143	2,032	1,962	1,974	2,101	2,141	2,151	2,218	2,266	2,273	2,341	2,564

BIOSOLIDS HANDLING - MONTHLY

Site	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<u>Land Applied by NSD</u>													
Somky			65	109									
Fagundes							44						
Jameson Canyon	-	-	-	-	197	52		316	117	-	-	37	-
Subtotal by NSD	-	-	65	109	197	52	44	316	117	-	-	37	-
<u>Land Applied by Contractor</u>													
Somky													
Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Land Applied	-	-	65	109	197	52	44	316	117	-	-	37	-
Off Site (Contractor)													
Total (tons)	-	-	65	109	197	52	44	316	117	-	-	37	-

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<u>Plugups</u>													
Total Calls	46	43	46	40	45	46	45	68	38	60	68	39	35
Business Hours	21	23	28	31	33	30	36	51	28	37	42	25	22
After Hours	25	20	18	9	12	16	9	17	10	23	22	14	13
District's	27	13	10	7	17	12	10	22	6	17	17	14	13
Property Owner's	20	30	35	32	26	34	32	43	32	42	46	24	22
Plugged Main Lines	4	1	1	1	-	-	-	-	1	-	1	-	
Run Lateral w/Eel	77	100	99	126	196	149	115	160	97	104	112	103	124
<u>Cleaning (feet of sewer)</u>													
Vactor #1	14,808	30,224	22,498	30,232	30,283	69,780	38,969	52,711	51,764	42,519	22,372	37,916	68,243
Vactor #2	26,687	22,691	43,466	32,180	39,800	57,405	43,059	25,762	610	18,811	52,620	15,049	29,691
Hydro													
Rodder										558	-	-	
Total (feet)	41,495	52,916	65,964	62,412	70,083	127,185	82,028	78,473	52,374	61,888	74,993	52,965	97,933
<u>Cleaning Days</u>													
Total	21	21	29	27	28	39	33	28	19	29	26	20	24
Vactor #1	6	13	10	12	12	18	18	20	18	17	10	15	16
Vactor #2	15	8	19	15	16	21	15	8	1	10	16	5	8
Hydro													
Rodder										2			
<u>Feet/day</u>													
Total	2,000	2,500	2,250	2,300	2,500	3,250	2,500	2,800	2,750	2,150	2,900	2,650	4,100
Vactor #1	2,450	2,300	2,250	2,500	2,500	3,900	2,150	2,650	2,900	2,500	2,250	2,550	4,250
Vactor #2	1,800	2,850	2,300	2,150	2,500	2,750	2,850	3,200	600	1,900	3,300	3,000	3,700
Hydro													
Rodder										300			-
<u>Video Inspections</u>													
Mains (feet)	13,050	15,089	24,716	23,914	32,551	40,819	22,837	17,404	10,825	-	13,832	30,961	26,158
Laterals (each)	144	204	173	177	254	214	190	247	165	182	188	180	206
<u>Construction (each)</u>													
Cleanouts	17	15	12	24	15	17	15	20	10	4	8	15	15
Laterals	3	4	13	12	14	16	16	10	9	10	10	8	4
Mains	1				-	-					1	-	-
Manholes	1				-	2		2				-	5
Other													-
<u>USA Markings</u>													
Regular (w/in 2 days)	338	327	338	292	378	363	331	332	224	290	271	423	232
Emergency (w/in 2 hours)	22	20	20	24	21	28	23	21	7	21	22	9	11

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
<u>Scheduled</u>													
Old	11	10	15	25	31	7	7	8	17	24	23	49	5
New	92	109	89	95	96	85	94	106	89	87	99	75	90
Completed	93	104	79	89	120	85	93	97	82	88	73	119	89
New Balance	10	15	25	31	7	7	8	17	24	23	49	5	6
<u>Unscheduled</u>													
Old	23	23	22	21	18	22	21	21	24	20	19	32	23
New	20	15	31	17	32	28	20	39	24	29	24	21	15
Completed	20	16	32	20	28	29	20	36	28	30	11	30	23
New Balance	23	22	21	18	22	21	21	24	20	19	32	23	15
<u>Total Work Orders</u>													
Old	34	33	120	46	49	29	28	29	41	44	42	81	28
New	112	124	11	112	128	113	114	145	113	116	123	96	105
Completed	112	120	46	109	150	113	113	133	110	116	84	149	112
New Balance	33	37	46	49	29	28	29	41	44	42	81	28	21
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	164	155	190	138	129	149	142	147	240	176	157	192	213
Process Control	1,199	1,195	760	770	869	838	818	893	1,010	1,072	1,208	1,039	1,058
Special Request	2	-	1	15	1	22	26	46	38	16	-	32	16
Quality Control/Assurance	754	1,447	812	539	632	600	607	774	957	839	923	1,324	1,043
TOTAL	2,119	2,797	1,763	1,462	1,631	1,609	1,593	1,860	2,245	2,103	2,288	2,587	2,330

**Summary of NSD Capital Project Status
through 03-31-20**

Proj #	Description	FY 19/20 Budget	FY 18/19 Carryovers	Adj.	Final FY 19/20 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	<u>COLLECTION SYSTEM - PROJECTS</u>								
13701	Main Line Sewer Rehabilitation	60,000			60,000	-	16,325	43,675	27%
13702	Manhole Raising/Rehabilitation	332,600			332,600	-	160,434	172,166	48%
13703	Lateral Replacement/Rehabilitation	110,000		40,000	150,000	-	111,437	38,563	74%
13704	Cleanouts Installation/Rehabilitation	107,000		(40,000)	67,000	-	45,874	21,126	68%
13705	Inflow & Infiltration (I&I) Reduction Program	221,700			221,700	167,688	10,940	43,072	5%
14703	Browns Valley Rd & First St	7,000,000			7,000,000	1,850,596	17,662	5,131,742	0%
17704	Infltrtn Rehab - SSMH/PL (CI-)	-	25,500		25,500	-	-	25,500	-
18701	I&I Smoke Testing	150,000			150,000	14,266	28,485	107,249	19%
18702	Collection System Asset Management Software	-	443,550		443,550	258,469	142,810	42,271	32%
18703	Upper Lateral Rehab - Basin L (Pilot) #3	166,300	3,200		169,500	-	63,156	106,344	37%
18706	Sewer System Inflow/Infiltration 2019	3,538,100	313,850		3,851,950	593,741	3,115,924	142,284	81%
19701	66-inch Trunk Rehabilitation (Kaiser to IPS)	4,000,000	450,000		4,450,000	301,153	284,798	3,864,049	6%
19703	2020 Collection System Rehabilitation	3,169,600	9,800		3,179,400	3,015,060	47,206	117,134	1%
19727	Collection System Master Plan	1,071,200	632,350		1,703,550	183,615	346,702	1,173,233	20%
20701	Upper Lateral Rehab - Pilot #5	5,000			5,000	-	50	4,950	1%
20702	Manhole Rehabilitation	250,000			250,000	182,120	9,441	58,439	4%
20703	2021 Collection System Rehabilitation	20,000			20,000	-	72	19,928	0%
	<u>COLLECTION SYSTEM - EQUIPMENT</u>								
20704	Locatable Mini-Camera #3 Replacement	11,900		(200)	11,700	-	9,382	2,318	80%
20705	Eel Replacement #2	5,900		200	6,100	-	5,688	412	93%
	<u>COLLECTION SYSTEM - LIFT STATIONS</u>								
17711	West Napa PS - Rehab	5,500,000			5,500,000	935,628	205,147	4,359,224	4%
19705	Stonecrest PS Pump Rebuild	-	40,100		40,100	9,840	15,266	14,994	38%
	<u>TREATMENT - PROJECTS</u>								
13745	Pond 1 Dredge	2,100,000	237,150		2,337,150	2,205,797	52,765	78,588	2%
18736	Treatment Plant Project 2018	-	15,000		15,000	10,901	139	3,961	1%
18740	Treatment Plant Project 2019	600,000	672,700		1,272,700	104,018	1,152,424	16,258	91%
19717	WWTP MP - Pond Transfer Structures 2 to 3	-	259,700		259,700	-	12,800	246,900	5%
20706	WWTP Master Plan	5,000			5,000	-	4,197	803	84%
20707	Pond Levee Repair	100,000			100,000	-	1,483	98,517	1%
20708	2020 Treatment Plant Improvements Project	1,500,000			1,500,000	62,619	38,548	1,398,833	3%
20724	River Park PS FM Replacement			100,000	100,000	-	71,123	28,877	71%

**Summary of NSD Capital Project Status
through 03-31-20**

Proj #	Description	FY 19/20 Budget	FY 18/19 Carryovers	Adj.	Final FY 19/20 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	<u>TREATMENT - EQUIPMENT</u>								
13735	Dual Fuel Boiler Burner	-	121,550		121,550	32,908	65,815	22,828	54%
15707	Main - DAFT Overflow Pumps (2) Cornell	11,900			11,900	-	-	11,900	-
15711	Rotork Actuator Replacement	-	7,600		7,600	-	-	7,600	-
16712	Main - Primary Clarifier Mech/Struct Rehabilitation	814,000	152,300		966,300	881,262	55,098	29,940	6%
17715	Turbidimeters (7) Tertiary Rplcmnts	-	16,000		16,000	-	-	16,000	-
17726	Headworks Equipment Rehab/Replacment	1,000,000	667,600		1,667,600	270,541	1,293,666	103,393	78%
18711	3W Strainer	-	24,350		24,350	-	-	24,350	-
18715	Muffle Furnace - Replacement	-	5,000		5,000	-	4,321	679	86%
18716	Rotork Actuator Replacement	-	6,400		6,400	-	-	6,400	-
18719	Filter Flow Control - Rotork Valves	-	9,900		9,900	-	-	9,900	-
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	20,000	5,000		25,000	-	-	25,000	-
19706	WWTP MP - 3W System Improvements Phase 2	-	295,600	(41,100)	254,500	-	110	254,390	0%
19708	Main - Rotork Actuator Replacement	-	95,000		95,000	-	19,115	75,885	20%
19709	Main - Polymer Tank (3) Replacement	-	10,000		10,000	-	-	10,000	-
19710	Main - 12kV Redundant Line	-	119,150		119,150	68,050	7,542	43,558	6%
19712	Main - Utility Generator Power Transition	-	35,000		35,000	-	-	35,000	-
19713	Main - Cogen Hot Water to FOG Pad	-	50,000		50,000	-	-	50,000	-
19715	Main - ARV Replacement	31,100			31,100	-	-	31,100	-
20709	Main - AB Caustic Pumps & Enclosure	85,700			85,700	13,071	17,107	55,522	20%
20710	Main - Septage Pump & Motor Replacement	28,700			28,700	25,904	-	2,796	-
20711	Main - Marsh-to-Pond Pump Station Upgrade	88,700			88,700	-	151	88,549	0%
20712	Main - Grit Pump Rebuild	60,000			60,000	-	25,757	34,243	43%
20713	Main - Elevator Control Update	400,000			400,000	-	-	400,000	-
20714	Main - Flare Rebuild	50,000			50,000	-	-	50,000	-
20715	Main - Concrete Pipe Chase Covers	80,000			80,000	-	-	80,000	-
20716	Plant Door Replacement - Phase 1	22,200			22,200	-	-	22,200	-
20717	Vehicle 163 - Ford Ranger (Replace w/ F-150)	33,300			33,300	-	30,647	2,653	92%
20718	Vehicle 162 - Ford F-250 Diesel	43,600		1,100	44,700	-	44,655	45	100%
20719	Vehicle 206 - Forklift TH103 (Telehandler)	103,100			103,100	-	-	103,100	-
	<u>LAB - EQUIPMENT</u>								
20720	Lab - Sampler 4700 Replacement (2)	20,000			20,000	-	14,596	5,404	73%

**Summary of NSD Capital Project Status
through 03-31-20**

Proj #	Description	FY 19/20 Budget	FY 18/19 Carryovers	Adj.	Final FY 19/20 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	SCADA								
18729	SCADA MP Project #1 - Network Monitoring	-	46,200		46,200	-	-	46,200	-
19718	SCADA MP Phase 5 Security Study	-	88,250		88,250	6,712	34,147	47,390	39%
	RECYCLING - PROJECTS								
13727	North Bay Wate Reuse Project	150,000			150,000	-	13,433	136,567	9%
18730	Jameson 24" Flow Meter Rehab	-	6,200		6,200	-	-	6,200	-
18731	Coombsville Truck Fill Station	300,000	144,400		444,400	79,916	296,744	67,740	67%
19719	24-inch Valve Replacement - Kirkland Line	-	5,000		5,000	-	-	5,000	-
19720	Jameson PS VFD	-	68,900	(68,900)	-	-	-	-	-
20721	Kirkland Recycled Water Pipeline Rehabilitaton	60,000		10,000	70,000	46,639	15,560	7,800	22%
	RECYCLING - EQUIPMENT								
19722	Vehicle 723/720 - Attachments/Implements	29,700		(29,700)	-	-	-	-	-
20722	Badger Meter Replacement	80,000			80,000	-	-	80,000	-
20723	CT-5 Composter (Ag-Bag)	-	-	29,700	29,700	-	-	29,700	-
	OTHER								
13729	Development Technical Support	337,000			337,000	-	205,803	131,197	61%
19723	AV System Replacement - Conference Rooms	-	20,000		20,000	-	-	20,000	-
19725	Vehicle 011 - CSET Trailer	-	7,100	(1,100)	6,000	-	3,800	2,200	63%
		\$33,873,300	\$5,173,700	-	\$39,047,000	\$11,320,514	\$8,118,347	\$19,608,139	21%