



Napa Sanitation District

General Manager's Report

for

April 2021

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DATE: June 2, 2021

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager’s Report for April 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 – April 30, 2021
Percent Fiscal Year:	83.3%
Operating Expenditures to date:	59.0%
Historical Expenditures to date:	79.4%
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, 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.

Sewer service charges were received from the second installment payments of the property taxes in April.

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	Administered testing - recruitment for Collection System Worker position
Injuries:	Injury to knee – no lost time (modified work restrictions)

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COLLECTIONS:

Significant events for the month of April 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 can be cleaned up by the crews.)
- The repair crew installed 12 cleanouts and repaired 1 cleanout. They also repaired 3 laterals and lined 3 laterals. Additionally, the service response/programs crew completed 122 work orders in support of the grease and odor control program, responded to 59 customer requests for service (14 were NSD problem) and closed out 1,041 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 47 laterals, cleaned approximately 44,331.2 feet of main line and CCTV inspected 132 laterals. In addition, the CCTV truck televised 26,379.6 feet of mainline.

TREATMENT PLANT:

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

Plant Operations:

- For April 2021, the plant's influent flow was 189.8 MG as compared to last year flow for April 2020 of 196.6 MG
- There was 0.01" rainfall for April 2021 (Carneros Rainfall Center) as compared to 0.78" rainfall for April 2020.
- Pond 4 end of the month recorded level reading was 80.14".

Power Consumption and Production:

- April 2021 power purchased from PG&E was 367 MWH in comparison to April 2020 purchase of 361 MWH.
- Cogeneration unit ran 717 of 720 hours for the month – 99.58% uptime, averaging 351.24 Kw, producing 252 MWH of energy
- Solar generation in April 2021 was 171 MWH, compared to 150 MWH in March and 162 MWH in April 2020.

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Maintenance:

Significant events for the month of April 2021:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Replaced Gas Compressor discharge check valve with new SS shell
- Secondary Clarifier #2/replaced shear pin
- Replaced Jameson Pump Station HMI
- Reconfigured MST load out register on 4" line to accept max flow
- Replaced cooling fans on SCADA "A" and "B" UPS transformers
- Removed branches and installed bird deterrents on 12KV poles #5 and #5A

Projects

- Replaced 570' of main potable water piping/installed 13 new isolation valves
- Installed 7 new stationary eye wash stations in CCB gallery/installed 435' of piping and 11 isolation valves

Standby Power

- Plant generators ran in standby mode for 4.0 hours
- Riverpark, Stonecrest and 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 April 2021. All parameters were monitored at the required frequencies. The following were notable sampling events:

- April 6, 2021: Mercury, Metals, Cyanide, Nutrients
- April 6-10, 2021: Acute Toxicity Bioassay
- April 14, 2021: Nutrients

Influent (INF-001) Summary

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

- April 6, 2021: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for April 2021 include:

- Recycled water delivered for the month of April 2021 was (110.902million gallons), as compared to April 2020 (57.098 million gallons) is higher from the previous year due to vineyard, golf course and commercial landscape demand. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff commenced land application of biosolids at Somky Ranch.
- Staff approved the connection of two new recycled water connections. One in the MST area and one in the LCWD area.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for April 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 conducted to keep residents up to date regarding construction activities.
- Staff continued to conduct outreach for the summer 2021 Collection System Rehabilitation Project.
- Staff completed and sent out the spring 2021 Pipeline Newsletter to all customers.
- Staff helped to plan and advertise the hybrid (virtual and in-person) 2021 Earth Day event with the Environmental Education Coalition of Napa County. Staff helped to facilitate the Earth Day film night and created and promoted NapaSan's activities and Earth Day webpage.
- Staff designed a bill insert for the April NRWS bill to spread awareness about what not to flush.
- 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 April 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.

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- Contractor continued construction of the Pond Levee Maintenance Project.
- Contractor continued construction of the Sanitary Sewer Manhole Adjustment Project, Phase X.
- Contractor completed construction of the 2019 Manhole Rehabilitation Project.
- Contractor continued construction of the 2021 Treatment Plant Improvements Project.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 38 sets of development plans and deemed 17 sets of plans complete. The approved plans consisted of 7 residential dwellings, 1 commercial building, 1 commercial lateral, and 5 tenant improvements.

Budget Status & Cash Summary - July 1, 2020 - April 30, 2021 (83.3% 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	\$3,489	\$7,350,071	\$7,353,560	\$2,236,740	76.7%
Services & Supplies	6,428,900	890,427	4,628,433	5,518,860	910,040	85.8%
Taxes	42,400	-	34,220	34,220	8,180	80.7%
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	\$893,916	\$16,598,476	\$17,492,392	\$12,157,208 (2)	59.0%
Capital						
Bldgs/Improvements & Equip	\$65,903,450	\$23,750,843	\$26,188,330	\$49,939,173	\$15,964,277 (3)	75.8%
Intrafund Transfers	1,992,000	-	1,627,597	1,627,597	364,403	81.7%
Total Capital :	\$67,895,450	\$23,750,843	\$27,815,927	\$51,566,770	\$16,328,680	76.0%
Grand Total Expenditures:	\$97,545,050	\$24,644,759	\$44,414,402	\$69,059,162	\$28,485,888	70.8%

<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		\$425,072	\$425,072	(\$100,072) (4)	130.8%
Charges for Services	32,433,000		31,168,945	31,168,945	1,264,055	96.1%
Miscellaneous Revenues	62,000		103,274	103,274	(41,274)	166.6%
Donations/Contributions (Capital Labor)	-		675,821	675,821	(675,821) (5)	N/A
Total Operating:	\$32,820,000		\$32,373,112	\$32,373,112	\$446,888	98.6%
Capital						
Use of Money/Property	\$0		\$1,022	\$1,022	(\$1,022)	N/A
Capacity Charges	1,992,000		1,250,288	1,250,288	741,712	62.8%
Bond/Loan Proceeds	27,249,900		14,863,606	14,863,606	12,386,294	54.5%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	10,992,000		1,627,597	1,627,597	9,364,403	14.8%
Total Capital:	\$40,263,900		\$17,742,513	\$17,742,513	\$22,521,387	44.1%
Grand Total Revenue:	\$73,083,900		\$50,115,625	\$50,115,625	\$22,968,275	68.6%

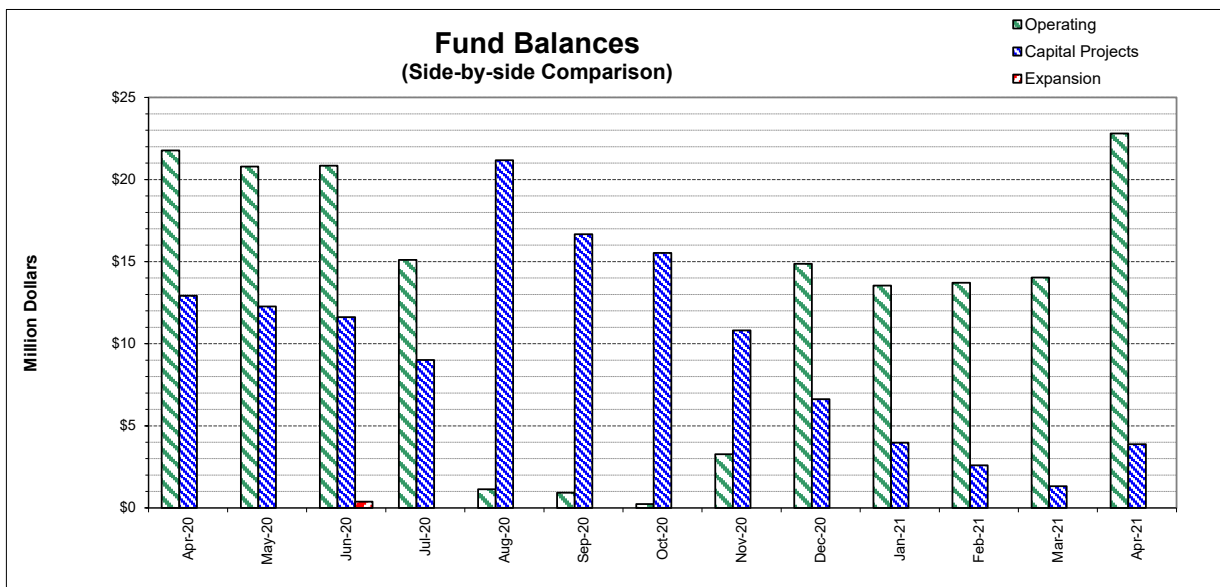
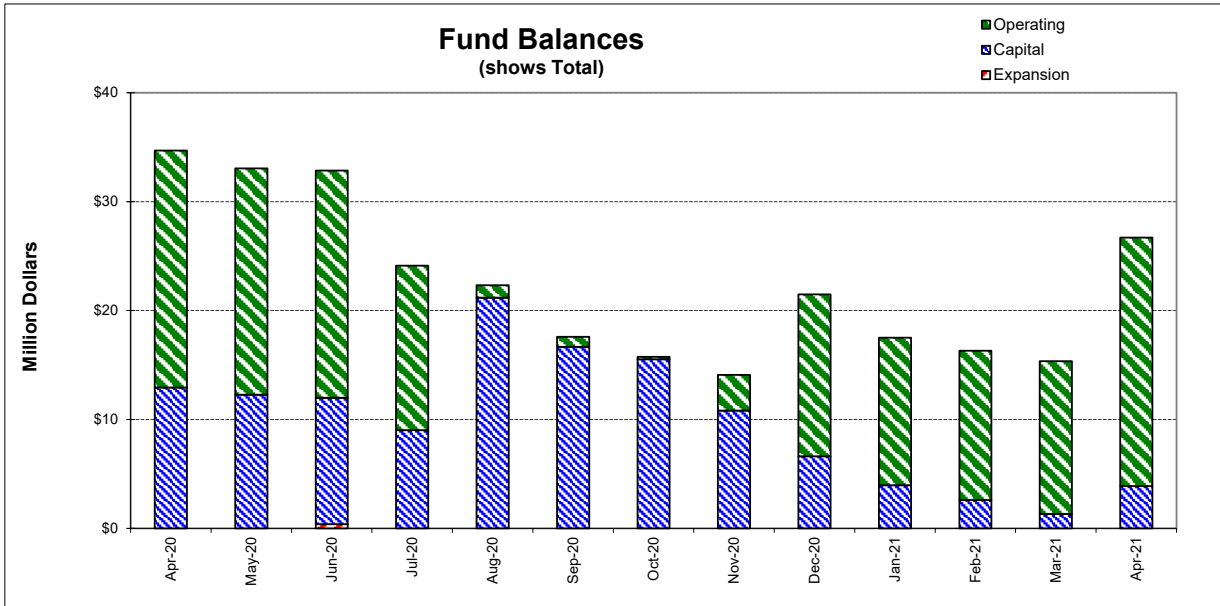
Cash on Hand as of 04/30/21 **\$15,354,995**

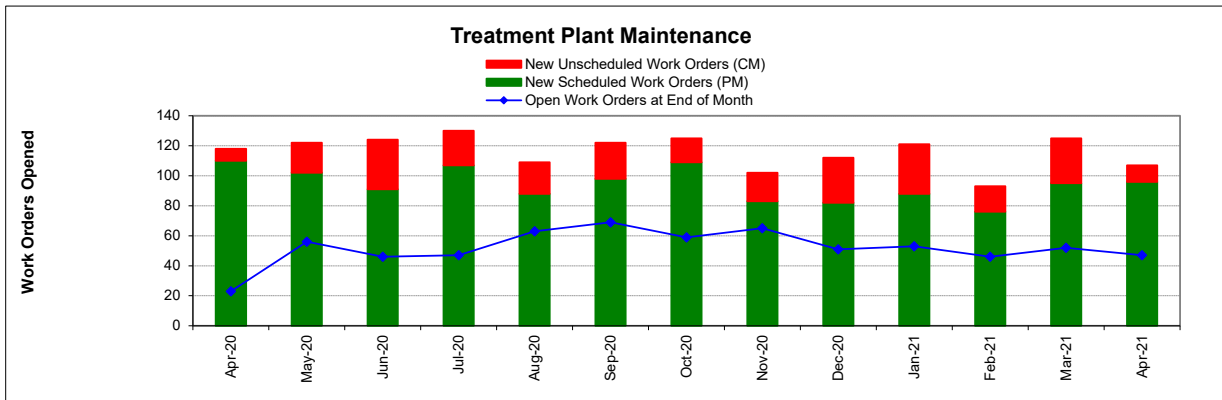
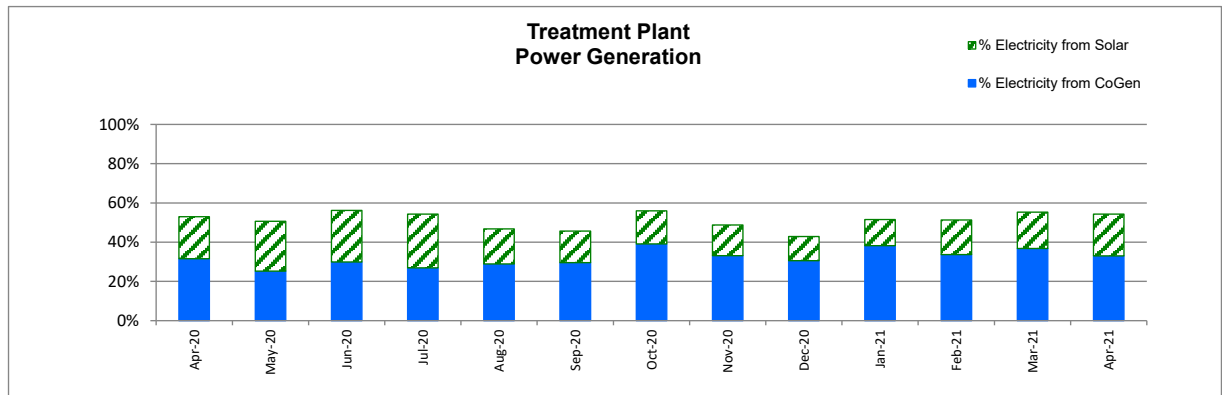
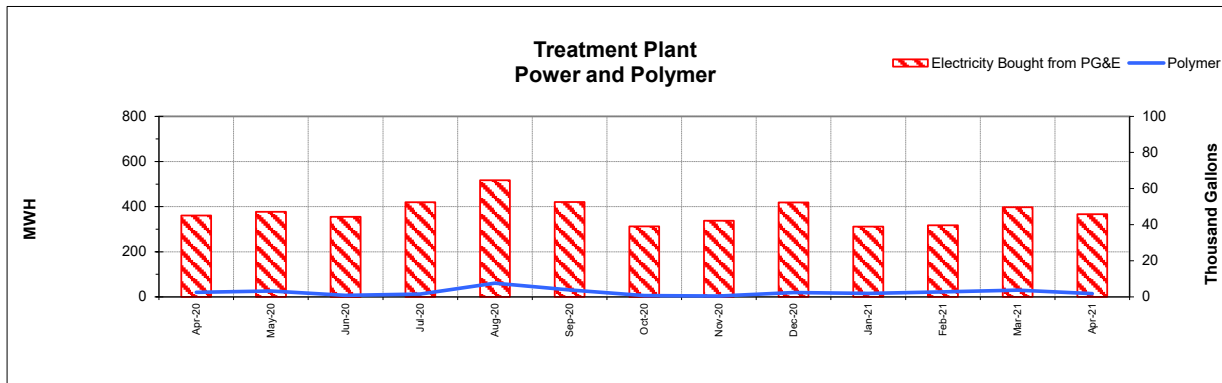
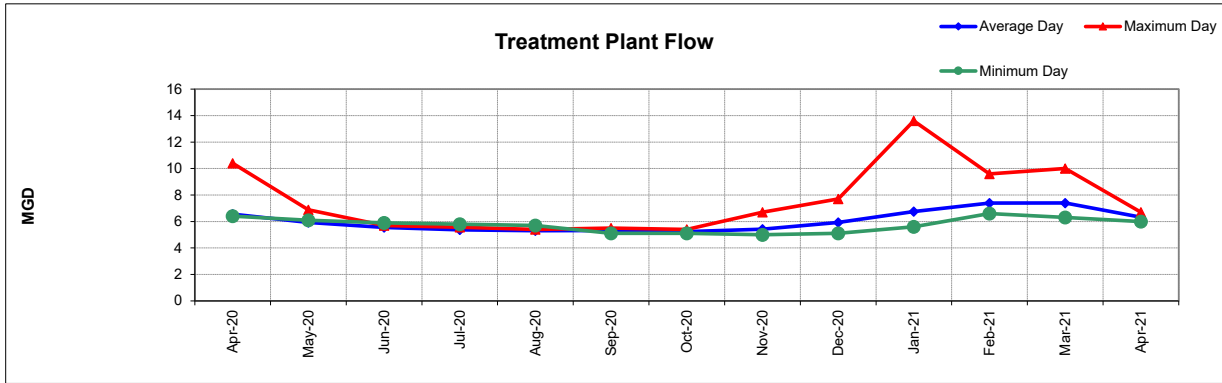
**excluding Debt Service restricted funds

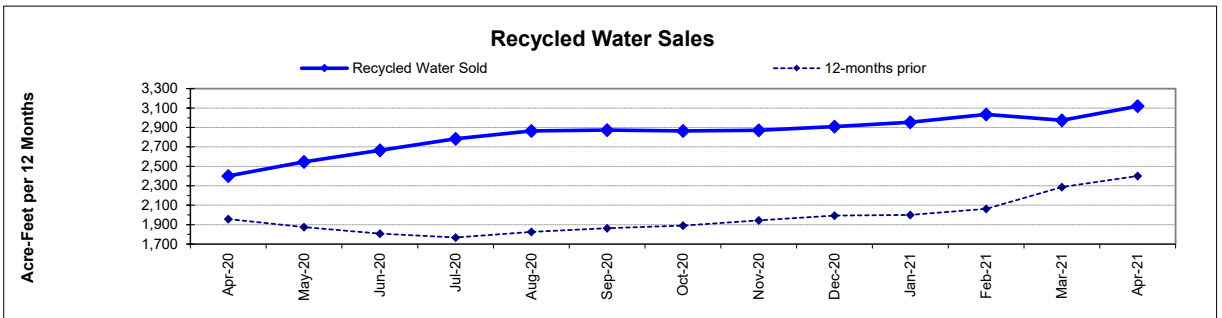
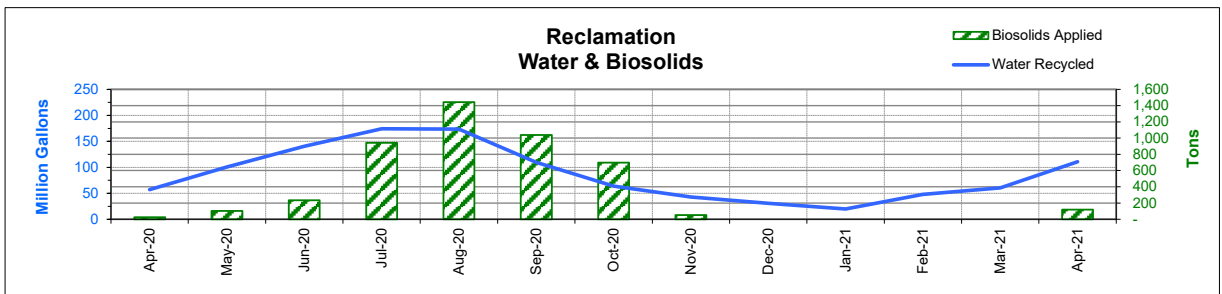
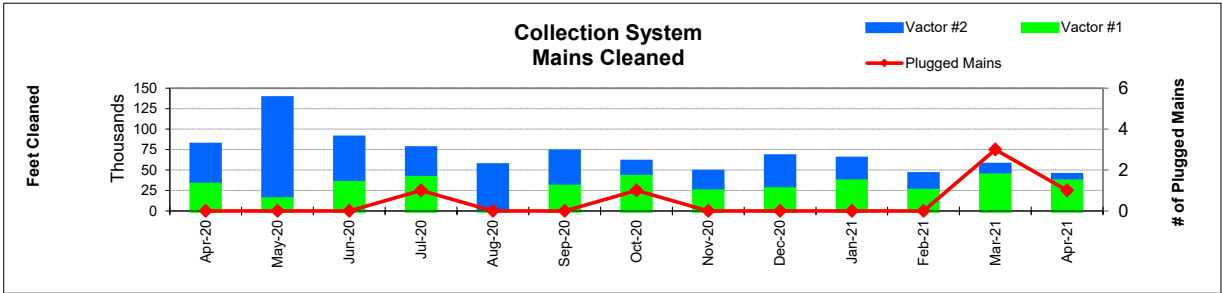
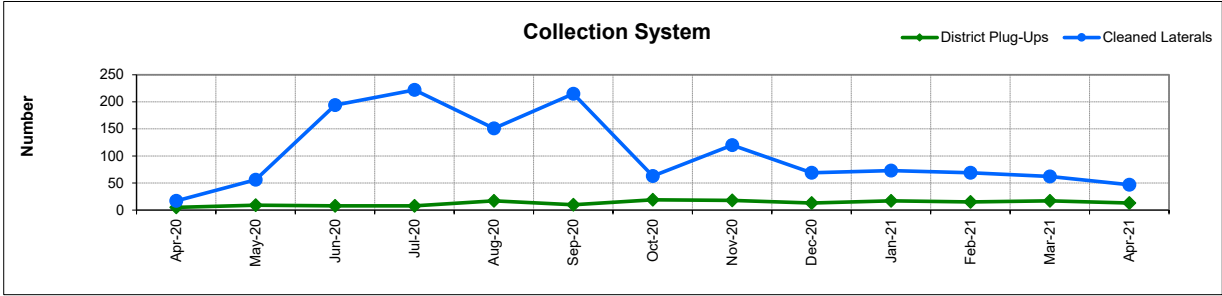
4/30/21 -Effective Rate of Return = 1.00%

Note: March rate 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 80.4%
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)







FUND BALANCES - MONTHLY

CATEGORY	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<i>(Thousand Dollars)</i>											
7800	21,767	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
7850	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	21,767	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
Capital Improvement Projects	12,924	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	12,924	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Total Discretionary Funds	34,691	33,055	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	34,691	33,055	32,845	24,113	22,322	17,598	15,757	14,086	21,494	17,503	16,312

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
<u>Phone Requests</u>													
Maps/Drawings	3	1	7	1	4	2	2	2	1	1	1	3	4
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	0	-
Policy Questions	-	-	3	3	1	3	1	1	0	2	2	1	-
Development Questions	24	36	45	31	48	45	30	38	42	26	36	37	64
Miscellaneous	5	6	7	6	13	14	11	8	6	4	8	3	10
TOTAL	32	43	62	41	66	64	44	49	49	33	47	44	78
<u>Counter Requests</u>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	7	10	10	15	8	7	13	13	7	10	6	10	5
Policy Questions	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Questions	-	-	-	2	-	-	-	3	-	-	-	-	2
Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	7	10	10	17	8	7	13	16	7	10	6	10	7
<u>Initial Request (Referrals)</u>	7	4	8	6	17	10	8	15	9	14	9	13	13
<u>Connection Permits Issued</u>													
Residential Permits	6	14	10	6	6	10	2	6	11	4	5	1	7
Commercial Permits	1	-	1	6	1	1	1	5	6	1	3	4	7
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	7	14	11	12	7	11	3	11	17	5	8	5	14
Residential Units	56	20	16	6	5	10	13	13	15	38	3	1	8
Commercial Units	1	-	20	6	1	1	1	-	4	3	2	2	2
TOTAL UNITS	57	20	36	12	6	11	14	13	19	41	5	3	10
<u>Annexations</u>													
Submitted	1	-	-	2	-	-	-	1	-	1	1	-	1
Acreage	0.50	-	-	18.2	-	-	-	36.06	-	8.50	293	-	24.00
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	7	13	12	12	9	8	5	8	8	1	6	5	13
Second Submittal	8	9	10	11	4	10	1	8	9	1	1	1	6
Third Submittal	2	4	8	4	6	8	7	5	8	4	3	1	2
<u>Building/Tenant Improvements</u>													
First Submittal	5	4	9	5	9	2	4	7	6	6	1	5	10
Second Submittal	4	2	10	4	5	4	3	1	4	2	6	1	5
Third Submittal	3	7	8	1	5	3	3	4	-	-	6	2	2
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	29	39	57	37	38	35	23	33	35	14	23	15	38

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	3	-	-	1	2	2	-	-	-	-	-	1	2
Inspections - Mains	-	6	5	2	-	-	7	3	3	2	-	-	-
Inspections - Manholes	-	6	-	6	6	6	5	6	3	4	-	-	11
Inspections - Laterals	48	32	9	12	12	8	12	8	9	7	5	12	35
Inspections - Cleanouts	90	4	2	3	5	11	9	13	10	10	7	9	21
Inspections - Review Video	2	-	2	2	3	2	4	-	-	-	3	-	-
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	1	-	-	-	1	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	143	48	18	26	29	29	37	30	26	23	15	22	69
<u>MISCELLANEOUS</u>													
Meter Readings	4	-	-	-	-	-	-	-	-	4	-	4	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	14	24	30	26	46	35	27	35	34	33	12	-	-
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	18	24	30	26	46	35	27	35	34	37	12	4	-
<u>SPECIAL PROJECTS</u>	26	23	22	23	21	21	22	21	20	20	14	50	37

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
<u>Outreach Activities</u>													
Plant Tours Conducted	0	0	0	0	0	0	0	0	0	0	0	0	0
Presentations Made	0	0	0	0	1	0	0	0	2	2	4	4	0
Total Outreach Activities	-	-	-	-	1	-	-	-	2	2	4	4	-
<u>Inspections Conducted</u>													
Food Service Facilities	-	-	-	-	-	-	-	-	-	-	-	11	13
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	-	-	-	-	-	-	-	-	-	-	-	11	13
<u>Compliance Issues</u>													
NOVs Issued	-	-	-	1	-	-	-	1	-	1	-	-	1
NOEs Issued	1	1	1	-	-	1	1	-	-	1	-	-	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	1	1	1	1	-	1	1	1	-	2	-	-	2
<u>Pollution Prevention</u>													
Clothes Washer Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	-	-	-	-	-	-	2,108	-	-	-	-	-	-

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	24.765	52.367	75.187	74.385	62.144	45.656	25.052	21.811	8.095	1.109	4.210	17.697	42.657
Cemeteries	57.1	3.422	3.965	4.958	5.192	5.091	4.257	4.064	2.374	1.421	0.489	0.548	0.864	4.079
Parks	18.5	-	0.271	1.188	1.670	1.142	0.691	0.638	0.274	0.046	-	0.007	-	0.682
Schools	12.6	0.716	2.146	2.341	2.926	2.583	1.995	1.372	0.827	0.071	0.006	-	0.097	1.544
Commerical	166.5	9.241	13.725	15.874	20.068	18.844	14.144	13.084	8.985	3.651	1.948	1.108	4.228	10.589
Vineyards	3,442.0	17.728	19.191	24.276	51.661	68.013	36.009	16.738	7.086	15.696	16.117	41.694	36.227	41.332
Trucked Water	175.0	1.147	3.612	3.079	1.988	3.988	2.748	2.104	1.251	1.681	0.134	0.238	1.460	3.543
Subtotal Sales	4,509.6	57.018	95.277	126.903	157.889	161.805	105.500	63.053	42.607	30.663	19.803	47.806	60.575	104.425
District Use														
Jameson	330.0	-	-	-	1.479	1.146	1.271	-	-	-	-	-	-	-
Somky	213.0	0.080	5.408	13.369	14.836	10.491	2.855	0.547	0.254	0.133	0.001	-	0.013	6.477
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	0.080	5.408	13.369	16.315	11.638	4.126	0.547	0.254	0.133	0.001	-	0.013	6.477
TOTAL DELIVERED	5,103.1	57.098	100.686	140.271	174.204	173.443	109.626	63.600	42.861	30.796	19.803	47.806	60.588	110.902
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	1,151	1,232	1,283	1,297	1,288	1,275	1,254	1,271	1,296	1,299	1,274	1,266	1,321
Cemeteries	57.1	116	117	121	120	118	117	117	115	118	119	119	112	114
Parks	18.5	15	15	16	19	18	17	17	18	18	18	18	18	20
Schools	12.6	37	40	42	45	47	48	49	49	49	49	48	46	49
Commerical	166.5	386	396	407	412	415	410	408	400	404	407	401	383	387
Vineyards	3,442.0	665	705	748	842	919	945	954	954	955	995	1,106	1,075	1,148
Trucked Water	175.0	31	40	48	50	58	62	64	65	69	68	69	72	79
Subtotal Sales	4,509.6	2,401	2,546	2,666	2,785	2,864	2,874	2,864	2,872	2,909	2,955	3,035	2,973	3,119
District Use														
Jameson	330.0	2	2	2	6	8	12	12	12	12	12	12	12	12
Somky	213.0	273	282	286	279	232	178	160	147	147	147	147	147	167
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	274	283	288	285	240	190	172	159	160	159	159	159	179
TOTAL DELIVERED	5,103.1	2,675	2,830	2,953	3,070	3,104	3,064	3,036	3,031	3,068	3,115	3,194	3,133	3,298

BIOSOLIDS HANDLING - MONTHLY

Site	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
<u>Land Applied by NSD</u>													
Somky													
Fagundes							22	53					119
Jameson Canyon	26	103	234	49	165	201	85						
Subtotal by NSD	26	103	234	49	165	201	107	53	-	-	-	-	119
<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	26	103	234	942	1,442	1,039	697	53	-	-	-	-	119
Off Site (Contractor)													
Total (tons)	26	103	234	942	1,442	1,039	697	53	-	-	-	-	119

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
Plugups													
Total Calls	31	37	34	23	47	29	62	56	59	48	41	54	59
Business Hours	23	25	25	17	28	19	43	37	39	37	29	39	37
After Hours	8	12	9	6	19	10	19	19	20	11	12	15	22
District's	5	9	8	8	17	10	19	18	13	17	15	17	13
Property Owner's	26	28	26	15	30	19	42	38	46	31	26	34	45
Plugged Main Lines	-	-	-	1	-	-	1	-	-	-	-	3	1
Run Lateral w/Eel	17	56	194	222	151	215	63	120	69	73	69	62	47
Cleaning (feet of sewer)													
Vactor #1	36,849	18,947	39,019	45,066	2,936	34,338	46,255	28,507	31,186	40,675	29,419	48,016	40,653
Vactor #2	44,336	119,112	50,948	31,916	53,184	38,654	14,202	19,789	35,938	23,525	15,887	8,590	3,679
Hydro	-	42,241	-	-	-	-	-	-	1,968	-	-	166	-
Rodder	2,915	-	-	-	694	-	-	-	-	1,433	-	-	-
Total (feet)	84,100	180,301	89,967	76,982	56,814	72,992	60,457	48,296	69,092	65,633	45,306	56,772	44,331
Cleaning Days													
Vactor #1	10	9	17	17	3	10	16	12	12	16	13	19	17
Vactor #2	11	17	16	11	17	11	6	8	10	8	6	3	2
Hydro	-	4	-	-	-	-	-	-	1	-	-	1	-
Rodder	2	-	-	-	1	-	-	-	-	3	-	-	-
Feet/day	3,650	6,000	2,750	2,750	2,700	3,500	2,750	2,400	3,000	2,450	2,400	2,450	2,350
Vactor #1	3,700	2,100	2,300	2,650	1,000	3,450	2,900	2,400	2,600	2,550	2,250	2,550	2,400
Vactor #2	4,050	7,000	3,200	2,900	3,150	3,500	2,350	2,450	3,600	2,950	2,650	2,850	1,850
Hydro	-	10,550	-	-	-	-	-	-	1,950	-	-	150	-
Rodder	1,450	-	-	-	700	-	-	-	-	500	-	-	-
Video Inspections													
Mains (feet)	6,798	27,649	16,016	24,214	22,515	19,796	26,009	28,717	18,657	28,757	22,463	36,064	26,380
Laterals (each)	75	109	239	270	210	259	184	204	227	219	233	228	237
Construction (each)													
Cleanouts	1	3	12	9	15	21	8	12	7	11	7	8	13
Laterals	-	4	19	6	25	23	20	9	6	6	6	7	6
Mains	-	-	-	-	-	1	4	3	1	-	1	-	-
Manholes	-	-	-	1	-	-	3	-	-	-	1	1	-
Other	-	-	-	-	-	5	25	-	-	-	-	-	-
USA Markings													
Regular (w/in 2 days)	258	260	284	278	297	281	278	246	185	204	252	741	1,019
Emergency (w/in 2 hours)	36	14	13	10	18	12	13	13	15	10	13	19	22

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
<u>Scheduled</u>													
Old	6	9	39	25	26	40	39	24	31	20	25	26	26
New	110	102	91	107	88	98	109	83	82	88	76	95	96
Completed	107	72	105	106	74	99	124	76	93	83	75	95	96
New Balance	9	39	25	26	40	39	24	31	20	25	26	26	26
<u>Unscheduled</u>													
Old	16	14	17	21	21	23	30	35	34	31	28	20	26
New	8	20	33	23	21	24	16	19	30	33	17	30	11
Completed	10	17	29	23	19	17	11	20	33	36	25	24	16
New Balance	14	17	21	21	23	30	35	34	31	28	20	26	21
<u>Total Work Orders</u>													
Old	22	23	56	46	47	63	69	59	65	51	53	46	52
New	118	122	124	130	109	122	125	102	112	121	93	125	107
Completed	118	90	135	130	93	116	133	96	126	119	100	119	112
New Balance	23	56	46	47	63	69	59	65	51	53	46	52	47
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	237	140	172	220	189	141	191	221	328	209	204	219	242
Process Control	1,015	708	815	776	772	700	906	960	1,644	986	918	968	1,010
Special Request	12	20	140	38	51	31	10	301	42	9	-	-	-
Quality Control/Assurance	1,058	595	622	661	674	577	727	928	1,662	929	878	962	968
TOTAL	2,322	1,463	1,749	1,695	1,686	1,449	1,834	2,410	3,676	2,133	2,000	2,149	2,220

**Summary of NSD Capital Project Status
through 4-30-21**

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	-	13,245	48,855	21%
13702	Manhole Raising/Rehab	250,000			250,000	-	15,307	234,693	6%
13703	Lateral Replacement/Rehab	113,900			113,900	-	94,373	19,527	83%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	57,054	41,646	58%
13705	I&I Reduction Program	30,000	210,500		240,500	196,100	199	44,201	0%
14703	Browns Valley Rd & First St	14,000,000	5,733,950		19,733,950	4,333,665	13,682,283	1,718,001	69%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	99,178	153,271	14,151	57%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	6,703,182	243,112	8,140,256	2%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	2,344,306	3,544,232	302,862	57%
19727	Coll Sys Master Plan	-	100,000		100,000	-	8,832	91,168	9%
20702	Manhole Rehabilitation	250,000			250,000	-	1,461	248,539	1%
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	2,854,513	393,597	178,439	11%
21701	2022 Collection System Rehab	20,000			20,000	-	1,915	18,085	10%
21718	NN Siphon Gate Replacement	-	-	25,000	25,000	15,725	199	9,076	1%
	<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	5,204,084	3,421,157	1,421,210	34%
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	32,214	1,853,879	57,657	95%
18740	Treatment Plant Project 2019	-	64,850		64,850	49,208	792	14,850	1%
20706	WWTP Master Plan	1,235,400	950		1,236,350	344,338	400,059	491,953	32%
20707	Pond Levee Repair	700,000	9,150		709,150	396,952	247,572	64,626	35%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	758,740	184,967	463,893	13%
	<u>TREATMENT - EQUIPMENT</u>								
13735	Dual Fuel Boiler Burner	-	55,750		55,750	-	32,907	22,843	59%

**Summary of NSD Capital Project Status
through 4-30-21**

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
15707	DAFT Overflow Pumps (2)	12,300	11,900		24,200	21,763	-	2,437	-
16712	Primary Clarifier Mech-Struct	700,000	390,200	140,000	1,230,200	74,300	1,109,018	46,883	90%
17726	Headworks Equip Rehab/Rplcmnt	-	240,700		240,700	86,476	18,561	135,663	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	207	22,642	2,151	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	12	40,665	42,972	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	-	11,875	18,325	39%
21704	Headworks - Washer Compactor	314,400			314,400	178,068	-	136,332	-
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	57,718	152	(26,869)	0%
	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	-

**Summary of NSD Capital Project Status
through 4-30-21**

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
21714	Alarm Evaluation & Programming	25,000			25,000	-	-	25,000	-
	RECYCLING - PROJECTS								
18731	Coombsville Truck Fill Station	-	112,100		112,100	-	83,782	28,318	75%
20721	Kirkland RW Pipeline Rehab	-	12,900		12,900	95	6,855	5,950	53%
	RECYCLING - EQUIPMENT								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700	-	-	30,700	-
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	-	1,412	74,288	2%
21717	Veh 723 - Water Trailer	42,800			42,800	-	5,137	37,663	12%
	OTHER								
13729	Development Technical Support	348,800			348,800	-	192,893	155,907	55%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000	20,000	40,000	-	-	40,000	-
		\$43,246,800	\$22,656,650	-	\$65,903,450	\$23,750,843	\$26,188,330	\$15,964,277	40%