



Napa Sanitation District

General Manager's Report

for

January 2021

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NAPA SANITATION DISTRICT

General Manager's Report

DATE: March 3, 2021

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for January 2021

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO's, 0 Category 2 SSO's, and 5 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 – January 31, 2021
Percent Fiscal Year:	58.3%
Operating Expenditures to date:	46.9%
Historical Expenditures to date:	62.4%
Significant Comments:	None

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	Jorge Hernandez promoted to Collection System Worker II; Nick Perkins promoted to Collection System Worker I
Recruitment Activities:	None
Injuries:	Injury to leg, lost-time accident.

COLLECTIONS:

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 5 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

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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 10 cleanouts and repaired 1 cleanout. They also repaired 5 laterals and lined 1 lateral. Additionally, the service response/programs crew completed 89 work orders in support of the grease and odor control program, responded to 48 customer requests for service (17 were NSD problem) and closed out 214 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 73 laterals, cleaned approximately 65,633 feet of main line and CCTV inspected 98 laterals. In addition, the CCTV truck televised 28,756.6 feet of mainline.

TREATMENT PLANT:

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

Plant Operations:

- For January 2021, the plant's influent flow was 209.1 MG as compared to last year flow for January 2021 of 248.8 MG
- There was 3.18" rainfall for January 2021 (Carneros Rainfall Center) as compared to 0.86" rainfall for January 2021.
- Pond 4 end of the month recorded level reading was 71.39".

Power Consumption and Production:

- January 2021 power purchased from PG&E was 362 MWH in comparison to January 2020 purchase of 395 MWH.
- Cogeneration unit ran 742 of 744 hours for the month – 99.73% uptime, averaging 316.91 Kw, producing 246 MWH of energy
- Solar generation in January 2021 was 86 MWH, compared to 90 MWH in December and 89 MWH in January 2020.

Maintenance:

Significant events for the month of January 2021:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Replaced Cogen gas LEL sensor and transmitter
- DAFT clarifier air retention tank/replaced sight glass
- Recycle pump station UPS/replaced batteries

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- South Telemetry/replaced iNET900 radio on top of Digester Tower/replaced batteries in Digester Tower UPS
- AB4 air flow meter/replaced fuse in sensor head

Projects

- Installed bypass fitting at West Napa Pump Station
- LED upgrade/lobby operations building
- Completed CIP 20715/concrete vault covers
- Replaced SCADA PC in break room

Standby Power

- Plant generators ran in standby mode for 15 hours and 8 minutes due to PG&E power outage
- 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 January 2021. All parameters were monitored at the required frequencies. The following were notable sampling events:

- January 4, 2021: Mercury, Metals, Cyanide, Nutrients
- January 5-9, 2021: Acute Toxicity Bioassay
- January 7, 2021: Nutrients

Influent (INF-001) Summary

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

- January 4, 2021: Metals, Mercury, Cyanide, Nutrients

RECYCLING:

Significant events in the Recycling Department for January 2021 include:

- Recycled water delivered for the month of January 2021 was (19.803 million gallons), as compared to January 2020 (4.681 million gallons) is higher from the previous year due to

vineyard reservoir filling and golf course demand. Delivered recycled water volume represents the sum of all use site flow meter consumption values.

- Staff continued wet weather biosolids encapsulating.
- Staff approved the connection of one recycled water service in the MST area.

POLLUTION PREVENTION:

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

- Outreach continues to residents regarding the Summer 2020 Collection System Rehabilitation Project. Email and text notifications were sent to all residents on the project mailing list. Bi-weekly website updates were also made to alert residents to construction project updates.
- 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 completed the annual Pollution Prevention Report for the Regional Water Quality Control Board.
- Staff continued working with Katz & Associates to plan and conduct outreach regarding the rate study and upcoming Prop 218 process. Meetings were held with the Napa Taxpayers Association and the Napa Downtown Association.
- 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 January 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 began construction of the 2021 Collection System Rehabilitation Project.
- Staff received and opened bids for the 66-inch Trunk Sewer Rehabilitation Project.
- Consultant continued design of the Pond Levee Maintenance Project
- Contractor continued construction of the Sanitary Sewer Manhole Adjustment Project, Phase X

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- Staff administered the bidding period for the 2021 Treatment Plant Improvements Project.
- Contractor completed construction of the Primary Clarifier and DAF Clarifier Rehabilitation Project.
- Consultant continued working on the Collection System Master Plan.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 14 sets of development plans and deemed 5 sets of plans complete. The approved plans consisted of 4 residential dwellings and 1 tenant improvement.

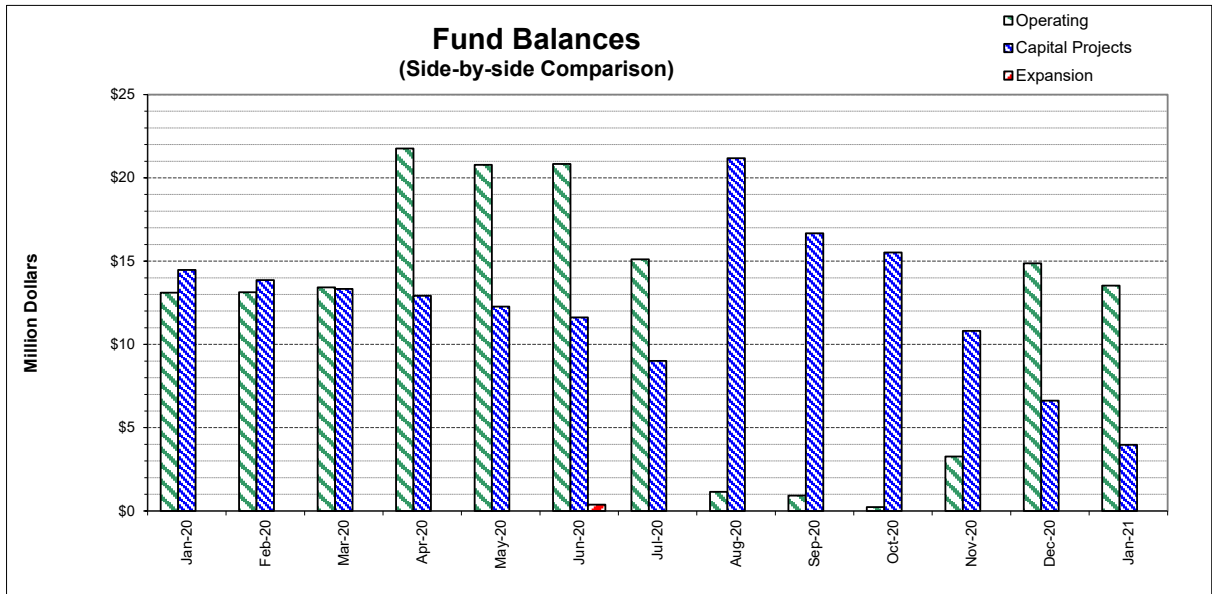
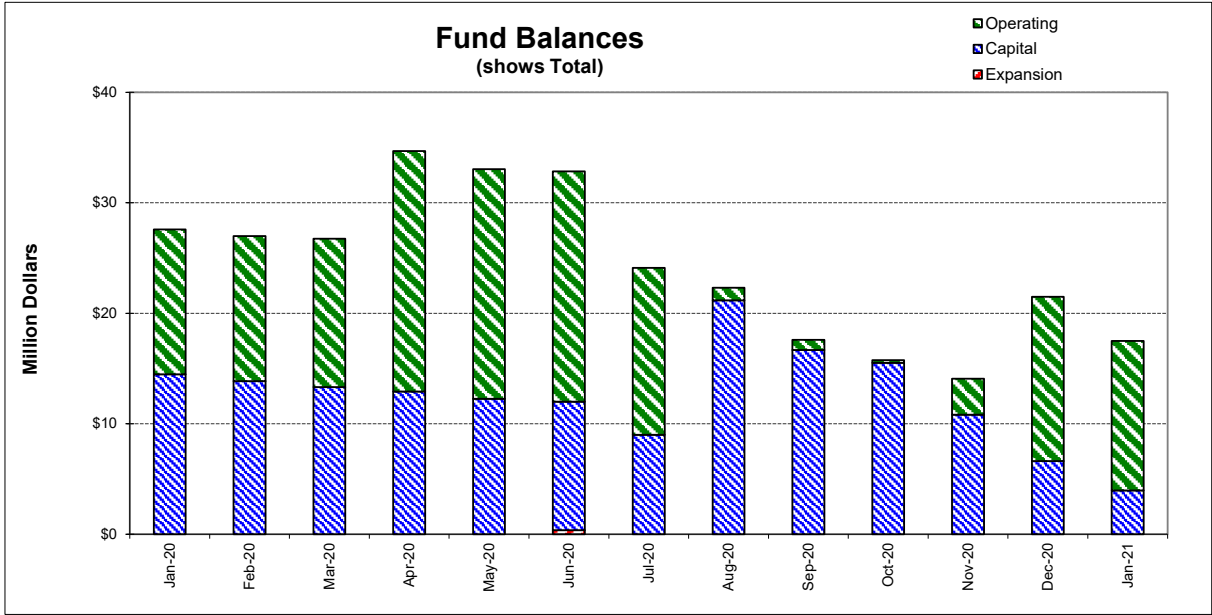
Budget Status & Cash Summary - July 1, 2020 - January 31, 2021 (58.3% of the year)

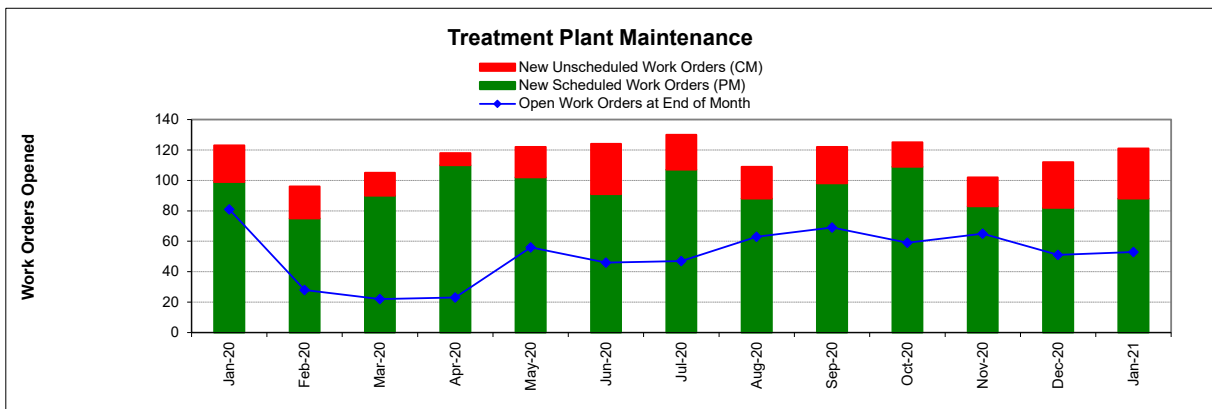
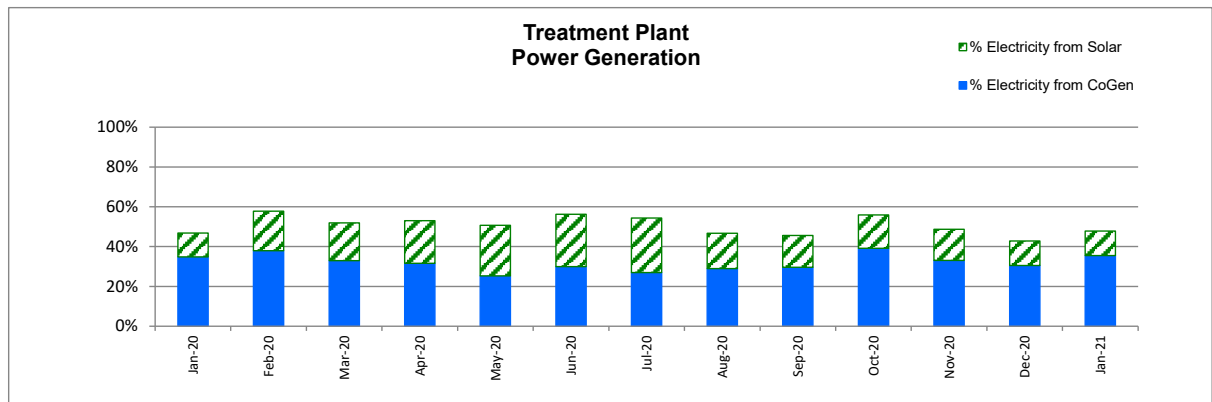
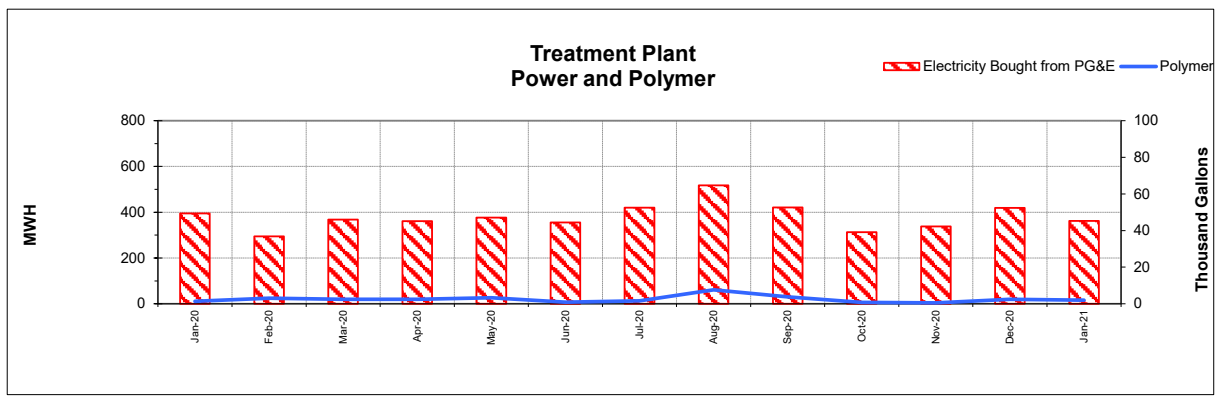
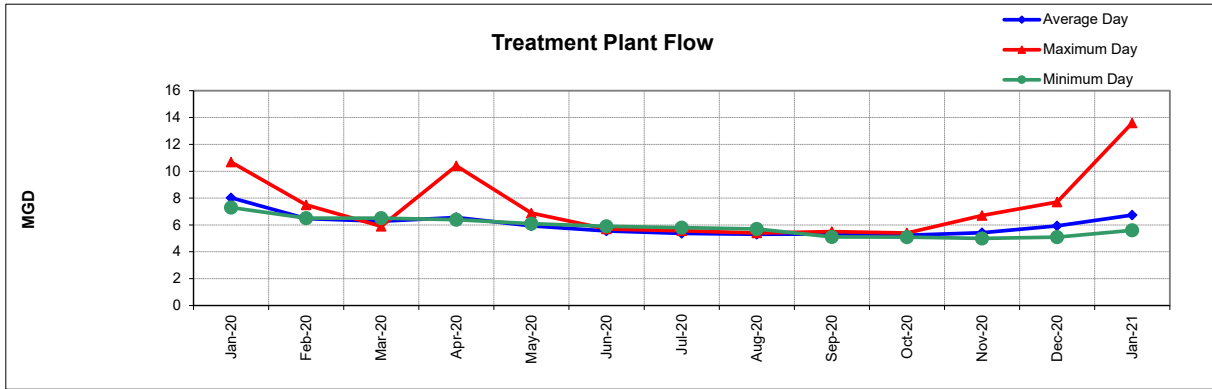
<i>Expenditures</i>	FY 20/21 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
Operating						
Salaries & Benefits	\$9,590,300	\$4,925	\$5,024,957	\$5,029,882	\$4,560,418	52.4%
Services & Supplies	6,428,900	1,240,118	3,114,843	4,354,961	2,073,939	67.7%
Taxes	42,400	-	17,110	17,110	25,290	40.4%
Debt Service	4,588,000	-	4,491,222	4,491,222	96,779 (1)	97.9%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
Total Operating:	\$29,649,600	\$1,245,043	\$12,648,131	\$13,893,174	\$15,756,426 (2)	46.9%
Capital						
Bldgs/Improvements & Equip	\$65,903,450	\$20,032,067	\$21,823,642	\$41,855,709	\$24,047,741 (3)	63.5%
Intrafund Transfers	1,992,000	-	1,476,934	1,476,934	515,066	74.1%
Total Capital :	\$67,895,450	\$20,032,067	\$23,300,576	\$43,332,643	\$24,562,807	63.8%
Grand Total Expenditures:	\$97,545,050	\$21,277,110	\$35,948,707	\$57,225,817	\$40,319,233	58.7%
<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		\$340,426	\$340,426	(\$15,426)	104.7%
Charges for Services	32,433,000		18,688,868	18,688,868	13,744,132	57.6%
Miscellaneous Revenues	62,000		51,475	51,475	10,525	83.0%
Donations/Contributions (Capital Labor)	-		491,366	491,366	(491,366) (4)	N/A
Total Operating:	\$32,820,000		\$19,572,136	\$19,572,136	\$13,247,864	59.6%
Capital						
Use of Money/Property	\$0		\$921	\$921	(\$921)	N/A
Capacity Charges	1,992,000		1,104,256	1,104,256	887,744	55.4%
Bond/Loan Proceeds	27,249,900		11,843,674	11,843,674	15,406,226	43.5%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	10,992,000		1,476,934	1,476,934	9,515,066	13.4%
Total Capital:	\$40,263,900		\$14,425,785	\$14,425,785	\$25,838,115	35.8%
Grand Total Revenue:	\$73,083,900		\$33,997,921	\$33,997,921	\$39,085,979	46.5%

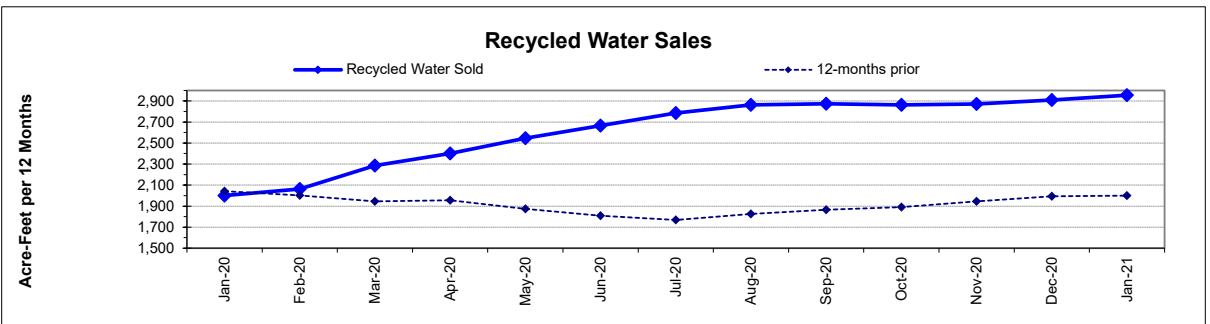
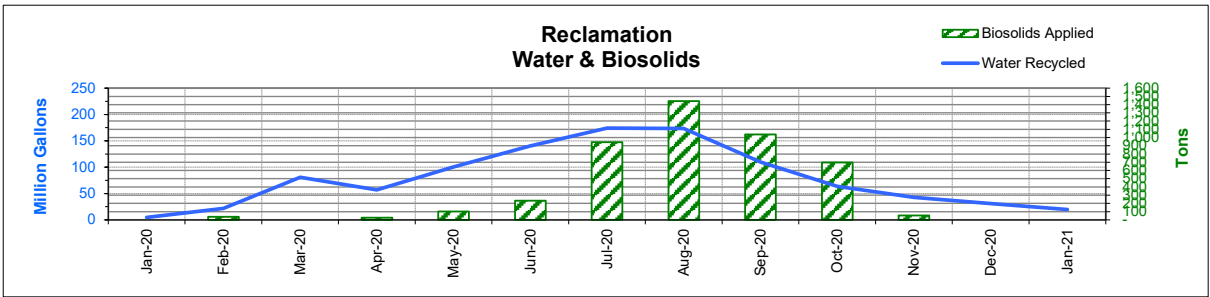
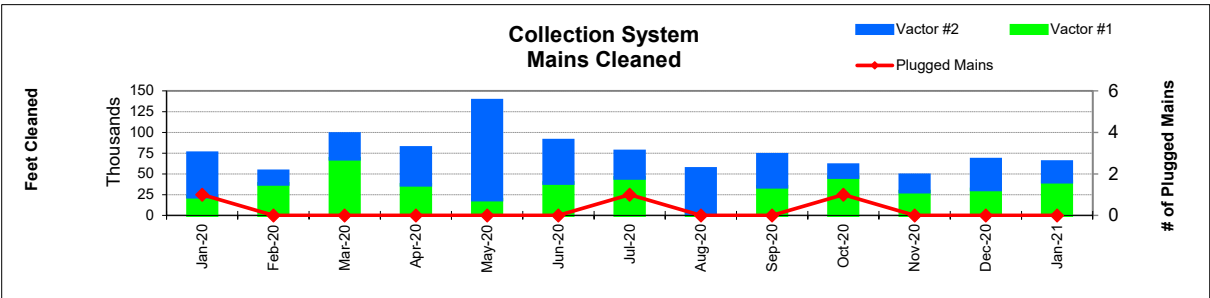
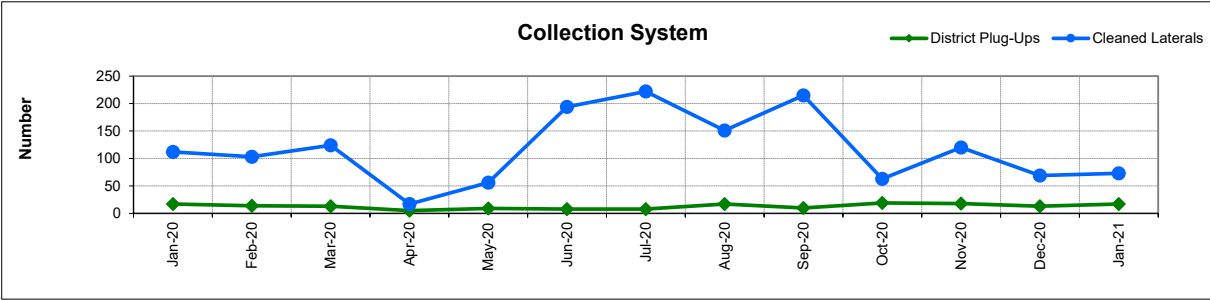
Cash on Hand as of 01/31/21 **\$17,502,678**

**excluding Debt Service restricted funds
01/31/21 -Effective Rate of Return = 1.30%

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 58.5%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)







FUND BALANCES - MONTHLY

CATEGORY	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<i>(Thousand Dollars)</i>													
7800	13,107	13,136	13,427	21,767	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	13,107	13,136	13,427	21,767	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536
Capital Improvement Projects	14,477	13,860	13,326	12,924	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	14,477	13,860	13,326	12,924	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967
Total Discretionary Funds	27,584	26,996	26,753	34,691	33,055	32,467	24,113	22,322	17,598	15,757	14,086	21,494	17,503
Expansion Fund (Restricted)	-	-	-	-	-	378	-	-	-	-	-	-	-
Total Restricted Funds	-	-	-	-	-	378	-	-	-	-	-	-	-
TOTAL ALL FUNDS	27,584	26,996	26,753	34,691	33,055	32,845	24,113	22,322	17,598	15,757	14,086	21,494	17,503

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<u>Phone Requests</u>													
Maps/Drawings	6	5	2	3	1	7	1	4	2	2	2	1	1
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	0
Policy Questions	2	5	5	-	-	3	3	1	3	1	1	0	2
Development Questions	32	38	29	24	36	45	31	48	45	30	38	42	26
Miscellaneous	10	12	8	5	6	7	6	13	14	11	8	6	4
TOTAL	50	60	44	32	43	62	41	66	64	44	49	49	33
<u>Counter Requests</u>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	5	19	20	7	10	10	15	8	7	13	13	7	10
Policy Questions	-	-	1	-	-	-	-	-	-	-	-	-	-
Development Questions	4	2	2	-	-	-	2	-	-	-	3	-	-
Miscellaneous	1	1	1	-	-	-	-	-	-	-	-	-	-
TOTAL	10	22	24	7	10	10	17	8	7	13	16	7	10
<u>Initial Request (Referrals)</u>	9	13	8	7	4	8	6	17	10	8	15	9	14
<u>Connection Permits Issued</u>													
Residential Permits	9	22	6	6	14	10	6	6	10	2	6	11	4
Commercial Permits	1	-	2	1	-	1	6	1	1	1	5	6	1
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	10	22	8	7	14	11	12	7	11	3	11	17	5
Residential Units	11	13	6	56	20	16	6	5	10	13	13	15	38
Commercial Units	1	-	2	1	-	20	6	1	1	1	-	4	3
TOTAL UNITS	12	13	8	57	20	36	12	6	11	14	13	19	41
<u>Annexations</u>													
Submitted	-	-	-	1	-	-	2	-	-	-	1	-	1
Acreage	-	-	-	0.50	-	-	18.2	-	-	-	36.06	-	8.50
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	12	5	12	7	13	12	12	9	8	5	8	8	1
Second Submittal	12	7	4	8	9	10	11	4	10	1	8	9	1
Third Submittal	4	5	3	2	4	8	4	6	8	7	5	8	4
<u>Building/Tenant Improvements</u>													
First Submittal	12	9	9	5	4	9	5	9	2	4	7	6	6
Second Submittal	3	2	6	4	2	10	4	5	4	3	1	4	2
Third Submittal	1	2	5	3	7	8	1	5	3	3	4	-	-
<u>Miscellaneous Plan Reviews</u>	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PLANS REVIEWED	44	30	39	29	39	57	37	38	35	23	33	35	14

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	4	4	3	3	-	-	1	2	2	-	-	-	-
Inspections - Mains	-	-	-	-	6	5	2	-	-	7	3	3	2
Inspections - Manholes	9	16	37	-	6	-	6	6	6	5	6	3	4
Inspections - Laterals	15	8	13	48	32	9	12	12	8	12	8	9	7
Inspections - Cleanouts	26	32	35	90	4	2	3	5	11	9	13	10	10
Inspections - Review Video	1	2	4	2	-	2	2	3	2	4	-	-	-
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	1	-	-	-	1	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	55	62	92	143	48	18	26	29	29	37	30	26	23
<u>MISCELLANEOUS</u>													
Meter Readings	59	1	-	4	-	-	-	-	-	-	-	-	4
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	6	9	15	14	24	30	26	46	35	27	35	34	33
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	65	10	15	18	24	30	26	46	35	27	35	34	37
<u>SPECIAL PROJECTS</u>													
	10	0	11	26	23	22	23	21	21	22	21	20	20

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<u>Outreach Activities</u>													
Plant Tours Conducted	3	2	0	0	0	0	0	0	0	0	0	0	0
Presentations Made	1	0	1	0	0	0	0	1	0	0	0	2	2
Total Outreach Activities	4	2	1	-	-	-	-	1	-	-	-	2	2
<u>Inspections Conducted</u>													
Food Service Facilities	1	62	21	-	-	-	-	-	-	-	-	-	-
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	1	62	21	-	-	-	-	-	-	-	-	-	-
<u>Compliance Issues</u>													
NOVs Issued	2	-	-	-	-	-	1	-	-	-	1	-	1
NOEs Issued	2	1	1	1	1	1	-	-	1	1	-	-	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	4	1	1	1	1	1	1	-	1	1	1	-	2
<u>Pollution Prevention</u>													
Clothes Washer Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	-	-	-	-	-	-	-	-	-	2,108	-	-	-

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	0.001	12.483	20.366	24.765	52.367	75.187	74.385	62.144	45.656	25.052	21.811	8.095	1.109
Cemeteries	57.1	0.222	0.514	3.078	3.422	3.965	4.958	5.192	5.091	4.257	4.064	2.374	1.421	0.489
Parks	18.5	-	-	0.001	-	0.271	1.188	1.670	1.142	0.691	0.638	0.274	0.046	-
Schools	12.6	0.044	0.157	0.685	0.716	2.146	2.341	2.926	2.583	1.995	1.372	0.827	0.071	0.006
Commerical	166.5	0.986	3.206	9.845	9.241	13.725	15.874	20.068	18.844	14.144	13.084	8.985	3.651	1.948
Vineyards	3,442.0	3.170	5.250	46.305	17.728	19.191	24.276	51.661	68.013	36.009	16.738	7.086	15.696	16.117
Trucked Water	175.0	0.227	0.134	0.415	1.147	3.612	3.079	1.988	3.988	2.748	2.104	1.251	1.681	0.134
Subtotal Sales	4,509.6	4.650	21.745	80.694	57.018	95.277	126.903	157.889	161.805	105.500	63.053	42.607	30.663	19.803
District Use														
Jameson	330.0	0.024	-	-	-	-	-	1.479	1.146	1.271	-	-	-	-
Somky	213.0	0.006	0.050	0.026	0.080	5.408	13.369	14.836	10.491	2.855	0.547	0.254	0.133	0.001
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	0.030	0.050	0.026	0.080	5.408	13.369	16.315	11.638	4.126	0.547	0.254	0.133	0.001
TOTAL DELIVERED	5,103.1	4.681	21.795	80.720	57.098	100.686	140.271	174.204	173.443	109.626	63.600	42.861	30.796	19.803
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	1,003	1,042	1,104	1,151	1,232	1,283	1,297	1,288	1,275	1,254	1,271	1,296	1,299
Cemeteries	57.1	100	102	110	116	117	121	120	118	117	117	115	118	119
Parks	18.5	15	15	15	15	15	16	19	18	17	17	18	18	18
Schools	12.6	33	33	35	37	40	42	45	47	48	49	49	49	49
Commerical	166.5	337	345	373	386	396	407	412	415	410	408	400	404	407
Vineyards	3,442.0	486	500	621	665	705	748	842	919	945	954	954	955	995
Trucked Water	175.0	26	26	27	31	40	48	50	58	62	64	65	69	68
Subtotal Sales	4,509.6	2,001	2,064	2,286	2,401	2,546	2,666	2,785	2,864	2,874	2,864	2,872	2,909	2,955
District Use														
Jameson	330.0	2	2	2	2	2	2	6	8	12	12	12	12	12
Somky	213.0	272	273	273	273	282	286	279	232	178	160	147	147	147
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	274	274	274	274	283	288	285	240	190	172	159	160	159
TOTAL DELIVERED	5,103.1	2,274	2,338	2,561	2,675	2,830	2,953	3,070	3,104	3,064	3,036	3,031	3,068	3,115

BIOSOLIDS HANDLING - MONTHLY

Site	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<u>Land Applied by NSD</u>													
Somky													
Fagundes										22	53		
Jameson Canyon	-	37	-	26	103	234	49	165	201	85			
Subtotal by NSD	-	37	-	26	103	234	49	165	201	107	53	-	-
<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	-	37	-	26	103	234	942	1,442	1,039	697	53	-	-
Off Site (Contractor)													
<hr/>													
Total (tons)	-	37	-	26	103	234	942	1,442	1,039	697	53	-	-

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<u>Plugups</u>													
Total Calls	68	39	35	31	37	34	23	47	29	62	56	59	48
Business Hours	42	25	22	23	25	25	17	28	19	43	37	39	37
After Hours	22	14	13	8	12	9	6	19	10	19	19	20	11
District's	17	14	13	5	9	8	8	17	10	19	18	13	17
Property Owner's	46	24	22	26	28	26	15	30	19	42	38	46	31
Plugged Main Lines	1	-	-	-	-	-	1	-	-	1	-	-	-
Run Lateral w/Eel	112	103	124	17	56	194	222	151	215	63	120	69	73
<u>Cleaning (feet of sewer)</u>													
Vactor #1	22,372	37,916	68,243	36,849	18,947	39,019	45,066	2,936	34,338	46,255	28,507	31,186	40,675
Vactor #2	52,620	15,049	29,691	44,336	119,112	50,948	31,916	53,184	38,654	14,202	19,789	35,938	23,525
Hydro	-	-	-	-	42,241	-	-	-	-	-	-	1,968	-
Rodder	-	-	-	2,915	-	-	-	694	-	-	-	-	1,433
Total (feet)	74,993	52,965	97,933	84,100	180,301	89,967	76,982	56,814	72,992	60,457	48,296	69,092	65,633
<u>Cleaning Days</u>													
Vactor #1	10	15	16	10	9	17	17	3	10	16	12	12	16
Vactor #2	16	5	8	11	17	16	11	17	11	6	8	10	8
Hydro	-	-	-	-	4	-	-	-	-	-	-	1	-
Rodder	-	-	-	2	-	-	-	1	-	-	-	-	3
<u>Feet/day</u>													
Vactor #1	2,250	2,550	4,250	3,700	2,100	2,300	2,650	1,000	3,450	2,900	2,400	2,600	2,550
Vactor #2	3,300	3,000	3,700	4,050	7,000	3,200	2,900	3,150	3,500	2,350	2,450	3,600	2,950
Hydro	-	-	-	-	10,550	-	-	-	-	-	-	1,950	-
Rodder	-	-	-	1,450	-	-	-	700	-	-	-	-	500
<u>Video Inspections</u>													
Mains (feet)	13,832	30,961	26,158	6,798	27,649	16,016	24,214	22,515	19,796	26,009	28,717	18,657	28,757
Laterals (each)	188	180	206	75	109	239	270	210	259	184	204	227	219
<u>Construction (each)</u>													
Cleanouts	8	15	15	1	3	12	9	15	21	8	12	7	11
Laterals	10	8	4	-	4	19	6	25	23	20	9	6	6
Mains	1	-	-	-	-	-	-	-	1	4	3	1	-
Manholes	-	-	5	-	-	-	1	-	-	3	-	-	-
Other	-	-	-	-	-	-	-	-	5	25	-	-	-
<u>USA Markings</u>													
Regular (w/in 2 days)	271	423	232	258	260	284	278	297	281	278	246	185	204
Emergency (w/in 2 hours)	22	9	11	36	14	13	10	18	12	13	13	15	10

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

[illegible]

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21
<u>Scheduled</u>													
Old	23	49	5	6	9	39	25	26	40	39	24	31	20
New	99	75	90	110	102	91	107	88	98	109	83	82	88
Completed	73	119	89	107	72	105	106	74	99	124	76	93	83
New Balance	49	5	6	9	39	25	26	40	39	24	31	20	25
<u>Unscheduled</u>													
Old	19	32	23	16	14	17	21	21	23	30	35	34	31
New	24	21	15	8	20	33	23	21	24	16	19	30	33
Completed	11	30	22	10	17	29	23	19	17	11	20	33	36
New Balance	32	23	16	14	17	21	21	23	30	35	34	31	28
<u>Total Work Orders</u>													
Old	42	81	28	22	23	56	46	47	63	69	59	65	51
New	123	96	105	118	122	124	130	109	122	125	102	112	121
Completed	84	149	112	118	90	135	130	93	116	133	96	126	119
New Balance	81	28	22	23	56	46	47	63	69	59	65	51	53
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	157	192	213	237	140	172	220	189	141	191	221	328	209
Process Control	1,208	1,039	1,058	1,015	708	815	776	772	700	906	960	1,644	986
Special Request	-	32	16	12	20	140	38	51	31	10	301	42	9
Quality Control/Assurance	923	1,324	1,043	1,058	595	622	661	674	577	727	928	1,662	929
TOTAL	2,288	2,587	2,330	2,322	1,463	1,749	1,695	1,686	1,449	1,834	2,410	3,676	2,133

**Summary of NSD Capital Project Status
through 01-31-21**

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	-	12,724	49,376	20%
13702	Manhole Raising/Rehab	250,000			250,000	-	7,625	242,375	3%
13703	Lateral Replacement/Rehab	113,900			113,900	-	73,938	39,962	65%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	44,020	54,680	45%
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	6,211,710	11,801,533	1,720,706	60%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	103,600	117,849	45,151	44%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	150,763	182,755	14,753,031	1%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	2,763,438	3,091,758	336,204	50%
19727	Coll Sys Master Plan	-	100,000		100,000	-	7,045	92,955	7%
20702	Manhole Rehabilitation	250,000			250,000	39,230	-	210,770	-
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	3,156,035	60,537	209,978	2%
21701	2022 Collection System Rehab	20,000			20,000	-	-	20,000	-
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	6,146,007	2,458,096	1,442,347	24%
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	563,565	175,668	497,117	14%
20707	Pond Levee Repair	700,000	9,150		709,150	49,659	174,650	484,841	25%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	119,971	91,424	1,196,205	6%
	<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 01-31-21**

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	-	-	24,200	-
16712	Primary Clarifier Mech-Struct	700,000	390,200	140,000	1,230,200	74,300	1,108,853	47,048	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	-	-	25,000	-
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	2,455	64,084	13,461	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	-	-	13,000	-
21706	Rotork Actuator Replacement	101,800			101,800	7,077	-	94,723	-
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	86,359	-	(55,359)	-
						-			
	LAB - EQUIPMENT					-			
21711	Autoclave Rplcmnt	34,400			34,400	-	-	34,400	-
21712	Sampler 4700 Rplcmnt	10,400			10,400	-	-	10,400	-
	SCADA								
18729	SCADA MP Proj 1 Ntwk Mntrng	-	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 01-31-21**

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	-
	<u>RECYCLING - PROJECTS</u>								
18731	Coombsville Truck Fill Station	-	112,100		112,100	-	42,037	70,063	37%
20721	Kirkland RW Pipeline Rehab	-	12,900		12,900	95	6,855	5,950	53%
	<u>RECYCLING - EQUIPMENT</u>								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700	-	-	30,700	-
20722	Badger Meter Replacement	-	80,000		80,000	-	2,913	77,087	4%
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	-	-	42,800	-
	<u>OTHER</u>								
13729	Development Technical Support	348,800			348,800	-	136,157	212,643	39%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000	20,000	40,000	-	-	40,000	-
		\$43,246,800	\$22,656,650	-	\$65,903,450	\$20,032,067	\$21,823,673	\$24,047,707	33%