



Napa Sanitation District

General Manager's Report

for

October 2021

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DATE: December 1, 2021
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager's Report for October 2021

REGULATORY COMPLIANCE:

Collection System Compliance:	1 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, 2021 – October 31, 2021
Percent Fiscal Year:	33.3%
Operating Expenditures to date:	32.8%
Historical Expenditures to date:	38.5%
Significant Comments:	None

PERSONNEL:

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

New Hires:	Kimberly Perry, Administrative Assistant I
Separations:	Dan Fritz, Operations Supervisor, retirement on 10/01/21
Promotions:	Chris Mosier promoted to Operator III, Nolan Weathers promoted to Collection System Worker II, and Gabe Snook promoted to Operations Supervisor
Recruitment Activities:	Continued recruitment for Safety, Training & Fleet Maintenance Officer; and recruitment started for Operator-in-Training or Operator I/II.
Injuries:	None

COLLECTIONS:

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

- The District had 1 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

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reached a drainage channel and/or surface water or; an SSO that reached a storm drainpipe that was not fully recovered and returned to the sanitary sewer system. A Category 2 is defined as an SSO that is equal to or greater than 1,000 gallons that did not reach a surface water. A Category 3 is defined as an SSO that is less than 1,000 gallons that did not reach a surface water. These are usually minor overflows of less than 10 gallons from cleanouts on District laterals that are cleaned by our crews.)

- The repair crew installed 3 cleanouts. Additionally, the service response/programs crew completed 120 work orders in support of the grease and odor control program, responded to 56 customer requests for service (15 were NSD problem) and closed out 259 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 131 laterals, cleaned approximately 60,005.9 feet of main line and CCTV inspected 86 laterals. In addition, the CCTV truck televised 26,402.2 feet of mainline. Due to the storm event on Sunday 10/24 that resulted in a category 1 SSO, the following week crews opened approximately 495 man holes north of Trower Ave on both sides of the highway looking for I&I. Crews came back finding 48 man holes containing minor to major traces of I&I.

TREATMENT PLANT:

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

Plant Operations:

- For October 2021, the plant's influent flow was 254.9 MG as compared to last year flow for October 2020 of 162.3 MG
- There was 9.17" rainfall for October 2021 (Carneros Rainfall Center) as compared to 0.11" rainfall for October 2020.
- Pond 4 end of the month recorded level reading was 55.69".
- From January through October 3,680 ACFT or 62% of the influent flow was treated and distributed as recycled water.

Power Consumption and Production:

- October 2021 power purchased from PG&E was 376 MWH in comparison to October 2020 purchase of 313 MWH.
- Cogeneration unit ran 739 of 744 hours for the month – 99.33% uptime, averaging 304.08 Kw, producing 225 MWH of energy
- Solar generation in October 2021 was 115 MWH, compared to 145 MWH in September and 119 MWH in October 2020.

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Maintenance:

Significant events for the month of October 2021:

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
- Drained and inspected Primary Clarifiers #1 and 2
- Installed new 3 water piping in Primary Clarifiers #1 and 2
- Digester basement supply fan/fabricated new motor mount
- Repaired Headworks Sluice, Bar Screens flush water Solenoids

Projects

- Installed power reset relays on PLC's for Jameson pump station, Eagle vines, Jameson flow meter and Digester Telemetry Panel.
- Installed temporary telemetry connection at new West Napa Pump Station.

Standby Power

- Plant generators ran in standby mode for 49 minutes due to ground fault
- Riverpark, Stonecrest and West Napa operational testing only

Influent Pumps

- All pumps operational

Laboratory:

Effluent (EFF-001) Summary

There was no Effluent discharge during the month of October 2021.

Influent (INF-001) Summary

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

- October 4, 2021: Metals, Mercury
- October 5, 2021: Cyanide

RECYCLING:

Significant events in the Recycling Department for October 2021 include:

- Recycled water delivered for the month of October 2021 was (60.078 million gallons), as compared to October 2020 (63.600 million gallons) is lower from the previous year due to commercial, golf course and vineyard use. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued land application of biosolids at Somky Ranch.
- Staff participated in the CWEA Northern Safety Day.

POLLUTION PREVENTION:

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

- Staff continued to conduct outreach regarding the Browns Valley Trunk Project. Weekly email and text updates as well as weekly website updates were made to keep residents up to date regarding construction activities. Staff continued to conduct outreach for the Summer 2021 Collection System Rehabilitation Project.
- Staff had a booth at the Farmers Market on October 23. The focus for the event was proper grease disposal and staff gave many residents grease scrapers and grease buddy containers.
- Staff continued participation in local and regional group meetings such as the Bay Area Pollution Prevention Group, the Environmental Education Coalition of Napa County, and Baywork.
- NapaSan continues to promote the safe medication disposal program. Staff worked with other local government and law enforcement agencies to plan and sponsor the drug takeback event scheduled for Saturday, October 23, 2021. Over 1,600 pounds of medication were collected that day. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 27,462.2 pounds.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Division for October 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.
- Staff continued design of the 2022 Collection System Rehabilitation Project.
- Contractor continued construction of the 66-inch Trunk Sewer Rehabilitation Project.
- Contractor continued construction of the Pond Levee Maintenance Project.
- Contractor continued construction of the 2021 Treatment Plant Improvements Project.
- Consultant continued design for the North Napa Siphon Gate Replacement Project.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 32 sets of development plans and deemed 14 sets of plans complete. The approved plans consisted of 9 residential dwellings, 2 residential laterals, 1 recycled water lateral and 3 tenant improvements.

Budget Status & Cash Summary - July 1, 2021 - October 31, 2021 (33.3% of the year)

<i>Expenditures</i>	FY 21/22 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
Operating						
Salaries & Benefits	\$11,021,800	\$6,844	\$2,955,754	\$2,962,598	\$8,059,202	26.9%
Services & Supplies	7,019,850	1,362,084	2,042,523	3,404,606	3,615,244	48.5%
Taxes	35,000	-	-	-	35,000	0.0%
Debt Service	5,149,550	-	4,214,383	4,214,383	935,167 (1)	81.8%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
Total Operating:	\$32,226,200	\$1,368,928	\$9,212,660	\$10,581,588	\$21,644,612 (2)	32.8%
Capital						
Bldgs/Improvements & Equip	\$37,626,850	\$11,000,296	\$9,984,998	\$20,985,294	\$16,641,556 (3)	55.8%
Intrafund Transfers	3,580,000	-	3,439,189	3,439,189	140,811	96.1%
Total Capital :	\$41,206,850	\$11,000,296	\$13,424,187	\$24,424,483	\$16,782,367	59.3%
Grand Total Expenditures:	\$73,433,050	\$12,369,224	\$22,636,847	\$35,006,071	\$38,426,979	47.7%

<i>Revenues</i>	FY 21/22 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
Operating						
Use of Money/Property	\$345,000		\$98,293	\$98,293	\$246,707	28.5%
Charges for Services	32,238,500		1,741,924	1,741,924	30,496,576	5.4%
Miscellaneous Revenues	64,000		12,414	12,414	51,586	19.4%
Donations/Contributions (Capital Labor)	-		223,173	223,173	(223,173) (4)	N/A
Total Operating:	\$32,647,500		\$2,075,804	\$2,075,804	\$30,571,696	6.4%
Capital						
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	3,580,000		3,423,673	3,423,673	156,327	95.6%
Bond/Loan Proceeds	7,133,300		-	-	7,133,300	0.0%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	12,580,000		3,439,189	3,439,189	9,140,811	27.3%
Total Capital:	\$23,323,300		\$6,862,862	\$6,862,862	\$16,460,438	29.4%
Grand Total Revenue:	\$55,970,800		\$8,938,666	\$8,938,666	\$47,032,134	16.0%

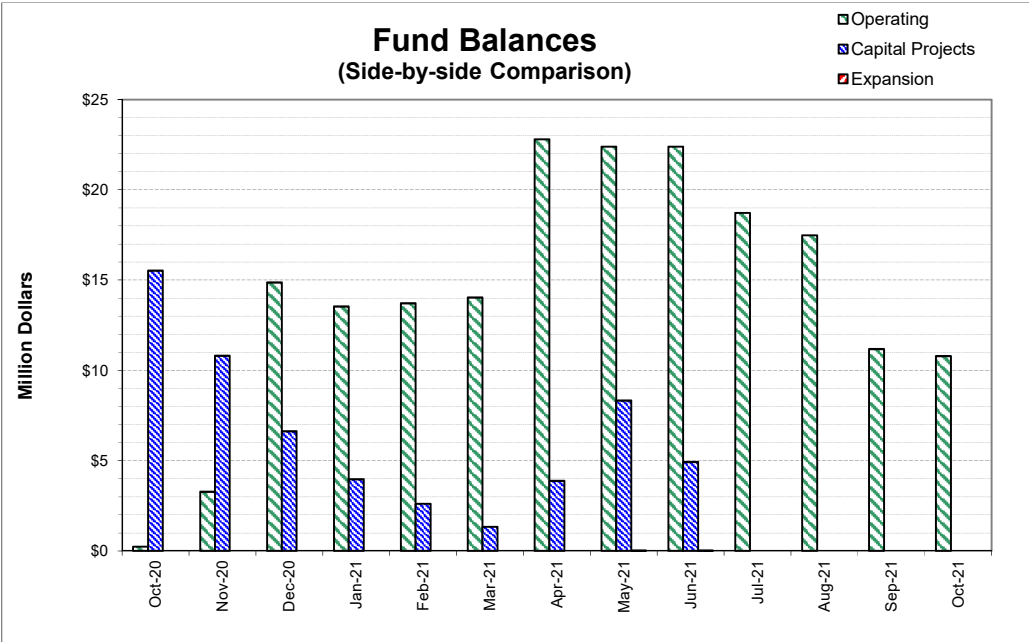
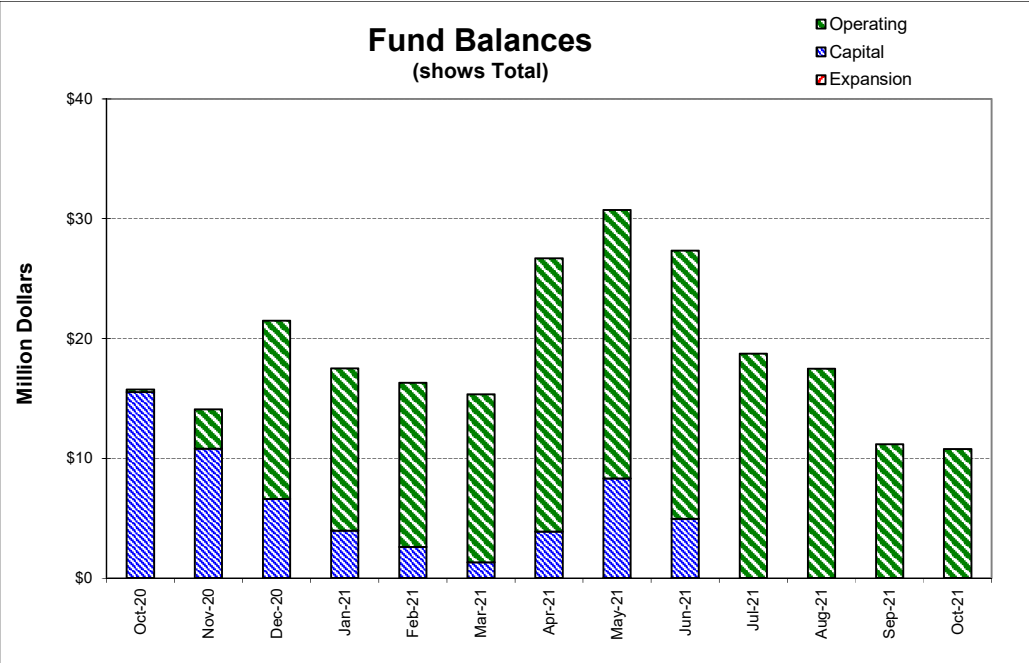
Cash on Hand as of 10/31/21 **\$10,784,528**

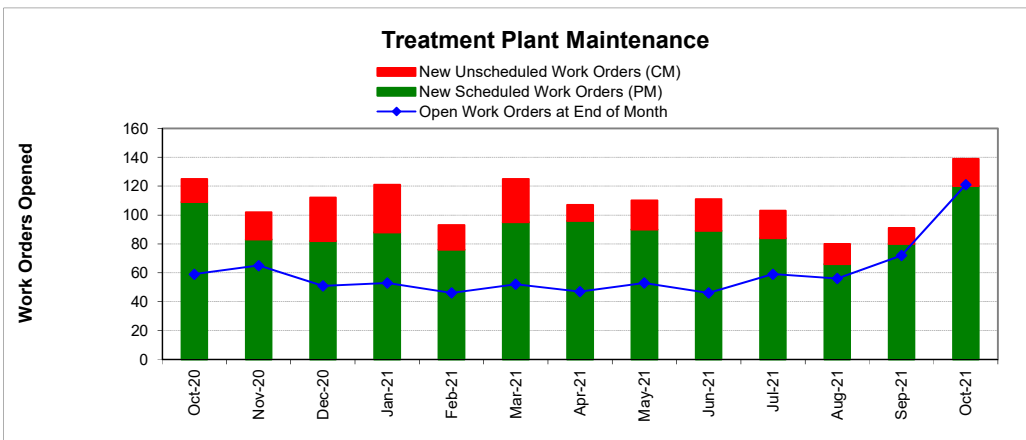
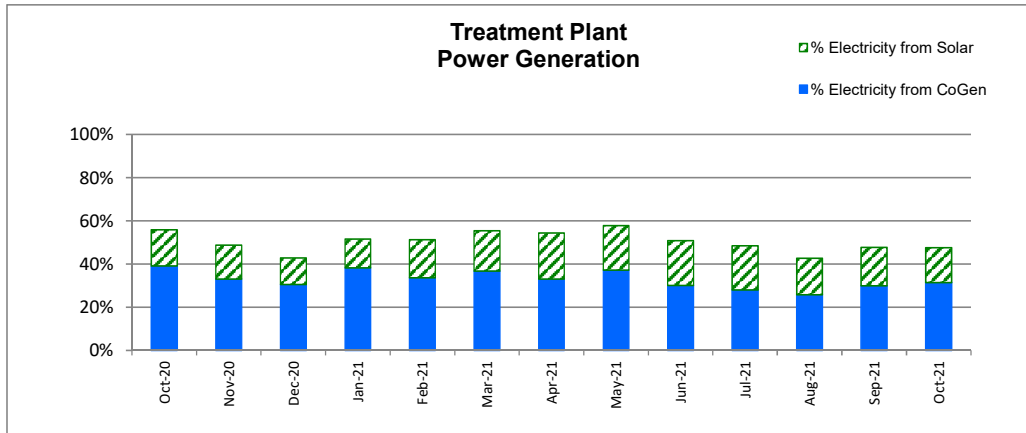
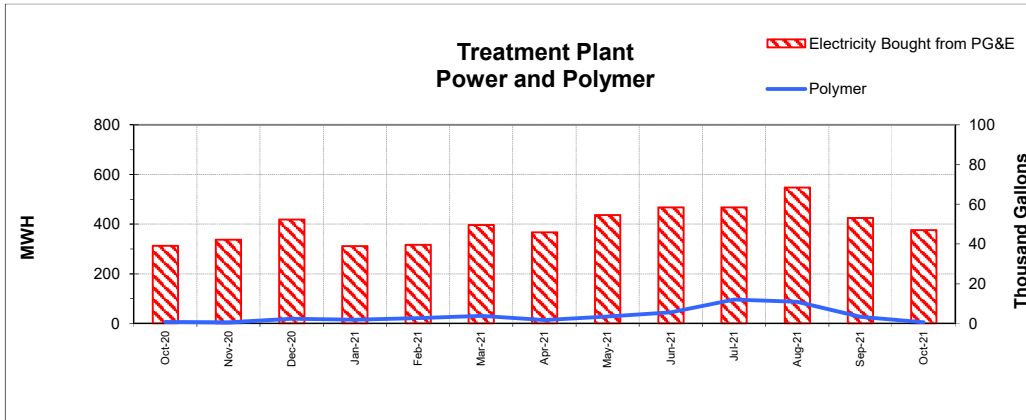
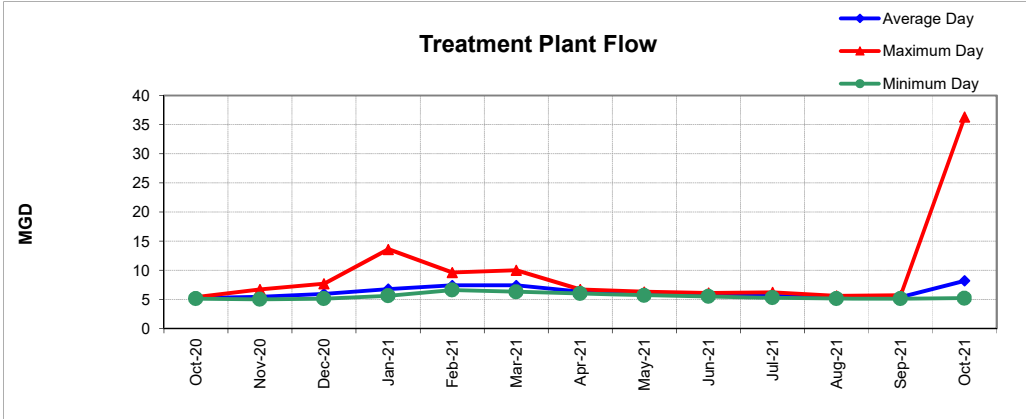
**excluding Debt Service restricted funds

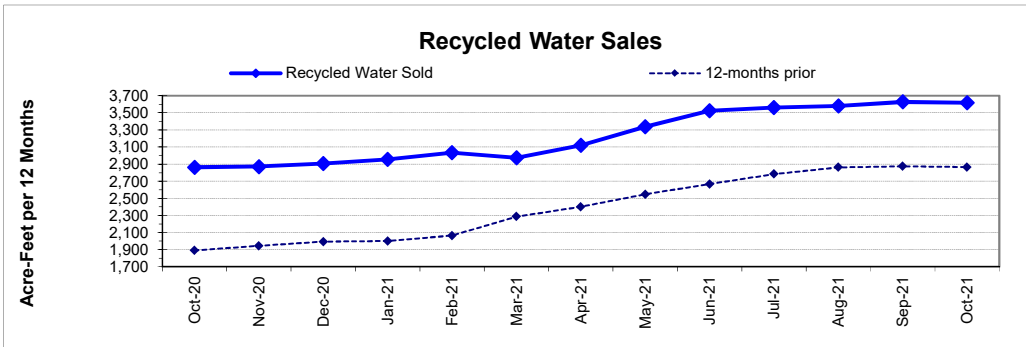
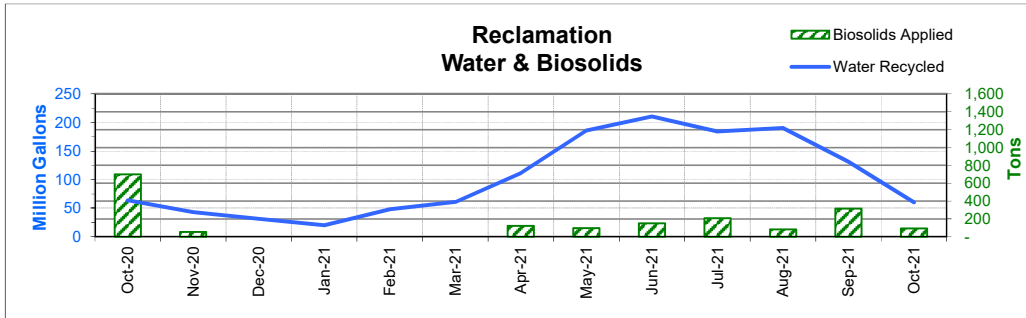
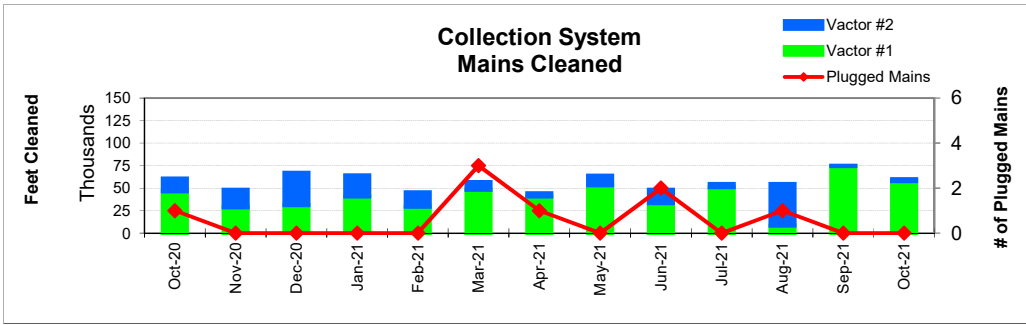
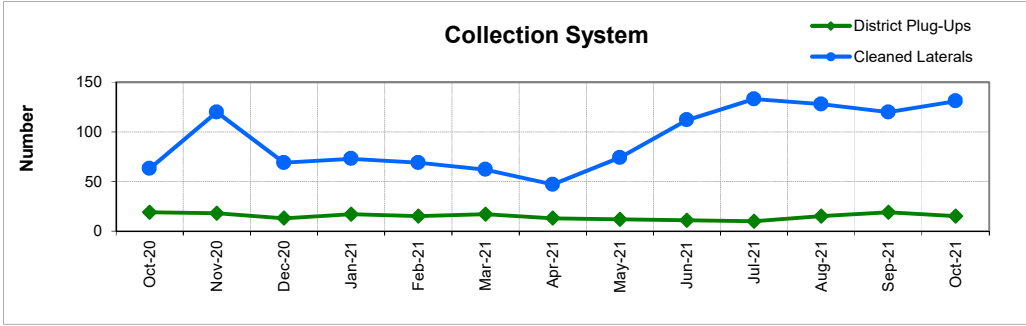
8/31/21 -Effective Rate of Return = 0.37%

Effective Rate of Return for Oct unavailable at time of report

1. Series 2012A, 2017, and 2021A principal/interest payments are made in Jul and Jan
2. Includes Debt Service and Intrafund Transfers; otherwise is 35.2%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)







FUND BALANCES - MONTHLY

CATEGORY	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<i>(Thousand Dollars)</i>					
7800	231	3,270	14,872	13,536	13,713
7850	-	-	-	-	-
Subtotal Operating	231	3,270	14,872	13,536	13,713
Capital Improvement Projects	15,526	10,816	6,622	3,967	2,599
Debt Proceeds	-	-	-	-	-
Subtotal Capital	15,526	10,816	6,622	3,967	2,599
Total Discretionary Funds	15,757	14,086	21,494	17,503	16,312
Expansion Fund (Restricted)	-	-	-	-	-
Total Restricted Funds	-	-	-	-	-
TOTAL ALL FUNDS	15,757	14,086	21,494	17,503	16,312

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
<u>Phone Requests</u>													
Maps/Drawings	2	2	1	1	1	3	4	4	1	2	0	3	5
Lateral Permits	-	-	-	-	-	0	-	-	-	-	1	-	1
Policy Questions	1	1	0	2	2	1	-	-	2	1	2	3	3
Development Questions	30	38	42	26	36	37	64	65	75	81	68	43	59
Miscellaneous	11	8	6	4	8	3	10	13	14	5	3	14	15
TOTAL	44	49	49	33	47	44	78	82	92	89	74	63	83
<u>Counter Requests</u>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	1	-	-	-
Lateral Permits	13	13	7	10	6	10	5	6	7	6	8	6	7
Policy Questions	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Questions	-	3	-	-	-	-	2	1	1	-	-	-	2
Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	1	-
TOTAL	13	16	7	10	6	10	7	7	8	7	8	7	9
Initial Request (Referrals)	8	15	9	14	9	13	13	26	18	19	13	7	10
<u>Connection Permits Issued</u>													
Residential Permits	2	6	11	4	5	1	7	8	10	9	13	4	11
Commercial Permits	1	5	6	1	3	4	7	3	5	5	6	4	3
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	3	11	17	5	8	5	14	11	15	14	19	8	14
Residential Units	13	13	15	38	3	1	8	3	7	25	11	6	282
Commercial Units	1	-	4	3	2	2	2	2	1	9	-	5	1
TOTAL UNITS	14	13	19	41	5	3	10	5	8	34	11	11	283
<u>Annexations</u>													
Submitted	-	1	-	1	1	-	1	2	-	-	-	-	-
Acreage	-	36.06	-	8.50	293	-	24.00	4.6	-	-	-	-	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	5	8	8	1	6	5	13	8	11	10	18	6	11
Second Submittal	1	8	9	1	1	1	6	6	7	7	9	5	6
Third Submittal	7	5	8	4	3	1	2	6	5	7	5	9	7
<u>Building/Tenant Improvements</u>													
First Submittal	4	7	6	6	1	5	10	4	5	4	9	7	4
Second Submittal	3	1	4	2	6	1	5	1	3	3	4	3	3
Third Submittal	3	4	-	-	6	2	2	2	3	6	3	3	1
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	23	33	35	14	23	15	38	27	34	37	48	33	32

INSPECTION WORKLOAD - MONTHLY

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

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	25.052	21.811	8.095	1.109	4.210	17.697	42.657	72.839	67.733	73.695	65.483	48.550	23.964
Cemeteries	57.1	4.064	2.374	1.421	0.489	0.548	0.864	4.079	4.307	4.895	5.192	5.328	5.215	3.730
Parks	18.5	0.638	0.274	0.046	-	0.007	-	0.682	1.486	1.230	0.760	0.897	0.637	0.653
Schools	12.6	1.372	0.827	0.071	0.006	-	0.097	1.544	2.390	2.428	1.969	2.301	1.729	1.189
Commerical	166.5	13.084	8.985	3.651	1.948	1.108	4.228	10.589	16.724	17.867	16.880	18.010	14.366	11.868
Vineyards	3,442.0	16.738	7.086	15.696	16.117	41.694	36.227	41.332	63.950	85.981	64.890	68.576	43.123	15.398
Trucked Water	175.0	2.104	1.251	1.681	0.134	0.238	1.460	3.543	4.223	8.283	6.619	7.321	7.336	3.153
Subtotal Sales	4,509.6	63.053	42.607	30.663	19.803	47.806	60.575	104.425	165.919	188.417	170.005	167.917	120.957	59.956
District Use														
Jameson	330.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Somky	213.0	0.547	0.254	0.133	0.001	-	0.013	6.477	19.621	21.914	13.995	22.023	10.402	0.123
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	0.547	0.254	0.133	0.001	-	0.013	6.477	19.621	21.914	13.995	22.023	10.402	0.123
TOTAL DELIVERED	5,103.1	63.600	42.861	30.796	19.803	47.806	60.588	110.902	185.540	210.331	184.000	189.941	131.359	60.078
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	1,254	1,271	1,296	1,299	1,274	1,266	1,321	1,384	1,361	1,359	1,369	1,378	1,374
Cemeteries	57.1	117	115	118	119	119	112	114	116	115	115	116	119	118
Parks	18.5	17	18	18	18	18	18	20	24	24	21	21	20	20
Schools	12.6	49	49	49	49	48	46	49	50	50	47	46	45	45
Commerical	166.5	408	400	404	407	401	383	387	397	403	393	390	391	387
Vineyards	3,442.0	954	954	955	995	1,106	1,075	1,148	1,285	1,475	1,515	1,517	1,539	1,535
Trucked Water	175.0	64	65	69	68	69	72	79	81	97	111	122	136	139
Subtotal Sales	4,509.6	2,864	2,872	2,909	2,955	3,035	2,973	3,119	3,336	3,524	3,562	3,580	3,628	3,618
District Use														
Jameson	330.0	12	12	12	12	12	12	12	12	12	7	4	-	-
Somky	213.0	160	147	147	147	147	147	167	211	237	234	270	293	291
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	172	159	160	159	159	159	179	222	249	242	273	293	291
TOTAL DELIVERED	5,103.1	3,036	3,031	3,068	3,115	3,194	3,133	3,298	3,558	3,773	3,803	3,854	3,921	3,910

BIOSOLIDS HANDLING - MONTHLY

Site	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
<u>Land Applied by NSD</u>													
Somky							119					212	90
Fagundes	22	53											
Jameson Canyon	85							96	148	205	80	100	
Subtotal by NSD	107	53	-	-	-	-	119	96	148	205	80	312	90
<u>Land Applied by Contractor</u>													
Somky	590												
Fagundes													
Jameson Canyon													
Subtotal by Contractor	590	-	-	-	-	-	-	-	-	-	-	-	-
Total Land Applied	697	53	-	-	-	-	119	96	148	205	80	312	90
Off Site (Contractor)													
Total (tons)	697	53	-	-	-	-	119	96	148	205	80	312	90

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
Plugups													
Total Calls	62	56	59	48	41	54	59	40	33	38	40	50	56
Business Hours	43	37	39	37	29	39	37	26	25	24	23	29	38
After Hours	19	19	20	11	12	15	22	14	8	14	17	21	18
District's	19	18	13	17	15	17	13	12	11	10	15	19	15
Property Owner's	42	38	46	31	26	34	45	28	20	28	25	31	41
Plugged Main Lines	1	-	-	-	-	3	1	-	2	-	1	-	-
Run Lateral w/Eel	63	120	69	73	69	62	47	74	112	133	128	120	131
Cleaning (feet of sewer)													
Vactor #1	46,255	28,507	31,186	40,675	29,419	48,016	40,653	53,152	33,236	50,928	8,225	74,620	57,574
Vactor #2	14,202	19,789	35,938	23,525	15,887	8,590	3,679	10,568	14,921	3,579	46,483	272	2,432
Hydro	-	-	1,968	-	-	166	-	-	-	-	-	-	-
Rodder	-	-	-	1,433	-	-	-	-	-	-	-	-	-
Total (feet)	60,457	48,296	69,092	65,633	45,306	56,772	44,331	63,720	48,156	54,507	54,708	74,892	60,006
Cleaning Days													
Total	22	20	23	27	19	23	19	19	21	19	22	22	21
Vactor #1	16	12	12	16	13	19	17	16	16	16	4	21	20
Vactor #2	6	8	10	8	6	3	2	3	5	3	18	1	1
Hydro	-	-	1	-	-	1	-	-	-	-	-	-	-
Rodder	-	-	-	3	-	-	-	-	-	-	-	-	-
Feet/day													
Total	2,750	2,400	3,000	2,450	2,400	2,450	2,350	3,350	2,300	2,850	2,500	3,400	2,850
Vactor #1	2,900	2,400	2,600	2,550	2,250	2,550	2,400	3,300	2,100	3,200	2,050	3,550	2,900
Vactor #2	2,350	2,450	3,600	2,950	2,650	2,850	1,850	3,500	3,000	1,200	2,600	250	2,450
Hydro	-	-	1,950	-	-	150	-	-	-	-	-	-	-
Rodder	-	-	-	500	-	-	-	-	-	-	-	-	-
Video Inspections													
Mains (feet)	26,009	28,717	18,657	28,757	22,463	36,064	26,380	12,761	26,640	26,847	31,995	34,022	26,402
Laterals (each)	184	204	227	219	233	228	237	290	244	231	234	212	273
Construction (each)													
Cleanouts	8	12	7	11	7	8	13	5	3	3	4	9	3
Laterals	20	9	6	6	6	7	6	3	3	3	6	1	-
Mains	4	3	1	-	1	-	-	1	-	1	-	-	-
Manholes	3	-	-	-	1	1	-	-	-	-	1	-	-
Other	25	-	-	-	-	-	-	-	-	-	-	-	-
USA Markings													
Regular (w/in 2 days)	278	246	185	204	252	741	1,019	278	287	366	784	313	254
Emergency (w/in 2 hours)	13	13	15	10	13	19	22	17	14	7	13	29	5

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
<u>Scheduled</u>													
Old	39	24	31	20	25	26	26	26	31	22	35	34	48
New	109	83	82	88	76	95	96	90	89	84	66	80	120
Completed	124	76	93	83	75	95	96	85	98	71	67	66	72
New Balance	24	31	20	25	26	26	26	31	22	35	34	48	96
<u>Unscheduled</u>													
Old	30	35	34	31	28	20	26	21	22	24	24	22	24
New	16	19	30	33	17	30	11	20	22	19	14	11	19
Completed	11	20	33	36	25	24	16	19	20	19	16	9	18
New Balance	35	34	31	28	20	26	21	22	24	24	22	24	25
<u>Total Work Orders</u>													
Old	69	59	65	51	53	46	52	47	53	103	59	56	72
New	125	102	112	121	93	125	107	110	111	90	80	91	139
Completed	133	96	126	119	100	119	112	104	118	59	83	75	90
New Balance	59	65	51	53	46	52	47	53	46	59	56	72	121
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	191	221	328	209	204	219	242	142	159	140	165	144	149
Process Control	906	960	1,644	986	918	968	1,010	783	871	829	826	795	772
Special Request	10	301	42	9	-	-	-	-	10	-	-	6	2
Quality Control/Assurance	727	928	1,662	929	878	962	968	674	506	520	551	535	641
TOTAL	1,834	2,410	3,676	2,133	2,000	2,149	2,220	1,599	1,546	1,489	1,542	1,480	1,564

**Summary of NSD Capital Project Status
through 10-31-2021**

Proj #	Description (shortened)	FY 21/22 Budget	FY 20/21 Carry Forwards	Adj.	Final FY 21/22 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
<u>COLLECTION SYSTEM - PROJECTS</u>									
13701	Main Line Sewer Rehab	64,300	-		64,300	-	24,255	40,045	38%
13702	Manhole Raising/Rehab	356,300	-		356,300	33,200	1,601	321,499	0%
13703	Lateral Replacement/Rehab	117,800	-		117,800	-	4,164	113,636	4%
13704	Cleanouts Installation/Rehab	114,600	-		114,600	-	10,613	103,987	9%
13705	I&I Reduction Program	237,500	-		237,500	191,726	199	45,575	0%
14703	Browns Valley Rd & First St	7,000,000	2,141,900	(300,000)	8,841,900	2,330,895	3,138,733	3,372,272	35%
18702	Coll Sys Asset Mgmt Software	-	45,550	50,000	95,550	54,205	25,410	15,935	27%
19701	66-inch Trunk Rehab	-	4,770,000		4,770,000	1,015,240	3,232,831	521,929	68%
19703	Sewer System I&I 2020	-	1,911,400		1,911,400	1,514,393	10,587	386,420	1%
20701	Upper Lateral Rehab - Pilot #5	5,000	-		5,000	-	-	5,000	-
20702	Manhole Rehabilitation	258,800	-	(50,000)	208,800	-	-	208,800	-
20703	2021 Collection System Rehab	2,785,800	1,007,200		3,793,000	1,509,396	1,397,090	886,514	37%
21701	2022 Collection System Rehab	4,394,600	14,950		4,409,550	-	30,762	4,378,788	1%
21718	NN Siphon Gate Rplcment	300,000	9,100		309,100	59,116	39,434	210,551	13%
22701	2023 Collection System Rehab	20,000	-		20,000	-	-	20,000	-
<u>COLLECTION SYSTEM - EQUIPMENT</u>									
22702	Locatable Mini Camera	12,700	-		12,700	-	12,518	182	99%
22703	Veh 183 - Ford F-550	73,100	-		73,100	-	-	73,100	-
22704	Veh 528 - Vacuum Truck	648,400	-		648,400	647,471	-	929	-
<u>COLLECTION SYSTEM - LIFT STATIONS</u>									
17711	West Napa PS - Rehab		4,383,400		4,383,400	1,235,076	1,236,319	1,912,005	28%
22705	River Park PS Improvements	75,000	-		75,000	-	-	75,000	-
<u>TREATMENT - PROJECTS</u>									
20706	WWTP Master Plan	629,800	578,500		1,208,300	832,266	178,504	197,530	15%
20707	Pond Levee Repair	900,000	127,500		1,027,500	483,706	236,519	307,275	23%
20708	2020 Treatment Plant Imprvmnts	800,000	1,197,900		1,997,900	707,701	138,191	1,152,008	7%
22706	2023 Treatment Plant Imprvmnts	150,000	-		150,000	-	-	150,000	-
<u>TREATMENT - EQUIPMENT</u>									
					-			-	-

**Summary of NSD Capital Project Status
through 10-31-2021**

Proj #	Description (shortened)	FY 21/22 Budget	FY 20/21 Carry Forwards	Adj.	Final FY 21/22 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
15707	DAFT Overflow Pumps (2)	-	24,200		24,200	-	21,763	2,437	90%
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	2,400		2,400	-	-	2,400	-
19708	Rotork Actuator Rplcmnt	-	50,700	(20,000)	30,700	-	5,782	24,918	19%
19710	12kV Redundant Line	-	43,000		43,000	-	-	43,000	-
20711	Marsh-to-Pond PS Upgrade	-	87,300		87,300	-	-	87,300	-
21704	Headworks - Washer Compactor	-	154,150		154,150	18,444	14,585	121,122	9%
21706	Rotork Actuator Replacement	-	94,550		94,550	-	-	94,550	-
21707	Digester Roof Grating Rplcmnt	-	110,900		110,900	35,506	-	75,394	-
21709	Plant Door Replacement - Ph 2	-	15,000		15,000	-	-	15,000	-
22707	Belt Press Augers	60,000	-		60,000	-	-	60,000	-
22708	Pump Rebuild - CCB Svc Wtr #1	65,000	-		65,000	-	-	65,000	-
22709	Roof Rplcmnt - Filter Supp	68,900	-	20,000	88,900	-	-	88,900	-
22710	Plant Door Rplcmnt Ph 3	23,800	-		23,800	-	-	23,800	-
	LAB - EQUIPMENT								
22711	Lab Refrigerator (2)	16,100	-		16,100	-	-	16,100	-
22712	Lab BOD Incubator	9,300	-		9,300	-	-	9,300	-
22713	Lab Sampler 5800 Replacement	15,500	-		15,500	-	-	15,500	-
22714	Lab FIA Unit	50,000	-		50,000	-	-	50,000	-
22715	Lab IC Unit	70,000	-		70,000	48,455	6,561	14,984	9%
	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	125,000	225,000		350,000	76,440	-	273,560	-
21714	Alarm Evaluation & Programming	125,000	25,000		150,000	-	-	150,000	-
	RECYCLING - PROJECTS								
13727	North Bay Water Reuse Proj	150,000	-		150,000	-	10,000	140,000	7%
18731	Coombsville Truck Fill Station	-	26,600		26,600	-	1,374	25,226	5%
22716	SWRF Truck Fill Elec Disp Unit	20,000	-		20,000	21	9,313	10,666	47%
22719	2021 MST RW Meters	-	-	300,000	300,000	149,322	-	150,678	-

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	RECYCLING - EQUIPMENT								
19722	Veh 720/723 Attchmnts/Implmnts	-	24,850		24,850	-	-	24,850	-
21715	Soscol Recycle Pump #2 Rehab	-	160,700		160,700	-	121,982	38,718	76%
21716	Veh 174 - Ford F-350 SB	-	74,200		74,200	57,718	483	15,999	1%
21717	Veh 723 - Water Trailer	-	30,250		30,250	-	590	29,660	2%
22717	Meter Reading Software Upgrade	20,000	-		20,000	-	550	19,450	3%
	OTHER								
13729	Development Technical Support	361,000	-		361,000	-	74,286	286,714	21%
22718	WWTP Site Paving	5,000	-		5,000	-	-	5,000	-
		\$20,128,300	\$17,498,550	-	\$37,626,850	\$11,000,296	\$9,984,998	\$16,641,556	27%