



Napa Sanitation District

General Manager's Report

for

December 2021

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DATE: February 2, 2022
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for December 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, 2021 – December 31, 2021
Percent Fiscal Year:	50.0%
Operating Expenditures to date:	40.2%
Historical Expenditures to date:	51.9%
Significant Comments:	Received \$5.9m of SRF loan proceeds for reimbursement of costs for Browns Valley Trunk Rehabilitation and West Napa Pump Station Rehabilitation projects. Sewer service charges were received from the first installment payments of the property taxes in December. The second installment will be due in April 2022.

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	Donell Mannor promoted to Senior Accountant; Cyndi Bolden promoted to Finance Director
Recruitment Activities:	Continued recruitment for Operator-in-Training or Operator I/II.
Injuries:	None

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COLLECTIONS:

Significant events for the month of December 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 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 8 cleanouts and repaired 2 cleanouts. They also repaired 3 laterals and lined 1 lateral. Additionally, the service response/programs crew completed 134 work orders in support of the grease and odor control program, responded to 57 customer requests for service (19 were NSD problem) and closed out 205 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 83 laterals, cleaned approximately 43,786.4 feet of main line and CCTV inspected 34 laterals. In addition, the CCTV truck televised 9,890.9 feet of mainline. Also field crews completed 15 man hole inspections.

TREATMENT PLANT:

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

Plant Operations:

- For December 2021, the plant's influent flow was 428.1 MG as compared to last year flow for December 2020 of 183.7 MG
- There was 5.38" rainfall for December 2021 (Carneros Rainfall Center) as compared to 1.88" rainfall for December 2020.
- Pond 4 end of the month recorded level reading was 77.92".
- From January through December 3,706 ACFT or 46% of the influent flow was treated and distributed as recycled water.

Power Consumption and Production:

- December 2021 power purchased from PG&E was 554 MWH in comparison to December 2020 purchase of 419 MWH.
- December 2021 Cogeneration unit ran 742 of 744 hours for the month – 99.73% uptime, averaging 315.96 Kw, producing 235 MWH of energy
- Solar generation in December 2021 was 63 MWH, compared to 92 MWH in November and 90 MWH in December 2020.

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Maintenance:

Significant events for the month of December 2021:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Rebuilt auto drain on main digester gas line
- Changed all fasteners on DAF Clarifier scraper arms
- Headworks plate screens/replaced brush water solenoid valves
- Replaced Glycol Pump on Neuros Blower #2
- Pond 4 Pump Station/replaced bearings and rewind #101 motor
- Aeration Basins #3&4/cleaned and inspected diffusers/cleaned RAS&WAS sumps
- Secondary Clarifiers #2&3/cleaned and inspected

Projects

Standby Power

- Plant generators operational testing only
- Riverpark ran in standby mode for 45 minutes, Stonecrest, West Napa and Stanly Ranch operational testing only

Influent Pumps

- All pumps operational

Laboratory:

Effluent (EFF-001) Summary

There were no violations of Effluent limits during the month of December 2021. All parameters were monitored at the required frequencies. The following were notable sampling events:

- December 7, 2021: Mercury, Metals, Cyanide, Nutrients
- December 7-11, 2021: Acute Toxicity Bioassay
- December 14, 2021: Nutrients, Cyanide
- December 15, 2021: Cyanide

Influent (INF-001) Summary

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

- December 7, 2021: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for December 2021 include:

- Recycled water delivered for the month of December 2021 was (2.836 million gallons), as compared to December 2020 (30.796 million gallons) is lower from the previous year due to golf course, commercial and vineyard use. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued encapsulating biosolids for wet weather storing.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for December 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 participation in local and regional group meetings such as the Bay Area Pollution Prevention Group, the Environmental Education Coalition of Napa County, and the CASA Communications Committee.
- With the Environmental Education Coalition of Napa County, staff began planning for the downtown Earth Day Event to be held on April 24, 2022.
- 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 27,462.2 pounds.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Division for December 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 held a public bid opening for 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 completed design for the North Napa Siphon Gate Replacement Project, and staff advertised the project for bidding.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 30 sets of development plans and deemed 15 sets of plans complete. The approved plans consisted of 9 residential dwellings, 1 commercial building, 1 public lateral, 1 residential lateral, and 3 tenant improvements.

Budget Status & Cash Summary - July 1, 2021 - December 31, 2021 (50.0% 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	\$5,394	\$4,546,816	\$4,552,210	\$6,469,590	41.3%
Services & Supplies	7,019,850	1,350,377	2,759,026	4,109,403	2,910,447	58.5%
Taxes	35,000	-	18,516	18,516	16,484	52.9%
Debt Service	5,149,550	-	4,277,230	4,277,230	872,320 ^①	83.1%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
Total Operating:	\$32,226,200	\$1,355,771	\$11,601,588	\$12,957,359	\$19,268,841 ^②	40.2%
Capital						
Bldgs/Improvements & Equip	\$37,626,850	\$9,155,566	\$12,663,245	\$21,818,810	\$15,808,040 ^③	58.0%
Intrafund Transfers	3,580,000	-	3,439,189	3,439,189	140,811	96.1%
Total Capital :	\$41,206,850	\$9,155,566	\$16,102,433	\$25,257,999	\$15,948,851	61.3%
Grand Total Expenditures:	\$73,433,050	\$10,511,337	\$27,704,022	\$38,215,358	\$35,217,692	52.0%

<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		\$99,416	\$99,416	\$245,584	28.8%
Charges for Services	32,238,500		18,054,481	18,054,481	14,184,019	56.0%
Miscellaneous Revenues	64,000		43,599	43,599	20,401	68.1%
Donations/Contributions (Capital Labor)	-		331,236	331,236	(331,236) ^④	N/A
Total Operating:	\$32,647,500		\$18,528,731	\$18,528,731	\$14,118,769	56.8%
Capital						
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	3,580,000		4,158,254	4,158,254	(578,254) ^⑤	116.2%
Bond/Loan Proceeds	7,133,300		6,274,520	6,274,520	858,780	88.0%
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		\$13,871,962	\$13,871,962	\$9,451,338	59.5%
Grand Total Revenue:	\$55,970,800		\$32,400,694	\$32,400,694	\$23,570,106	57.9%

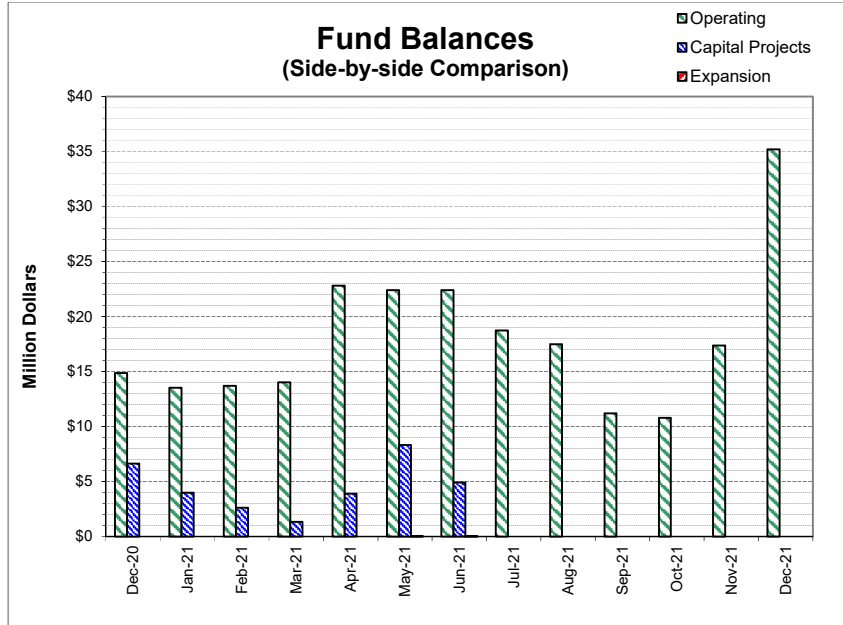
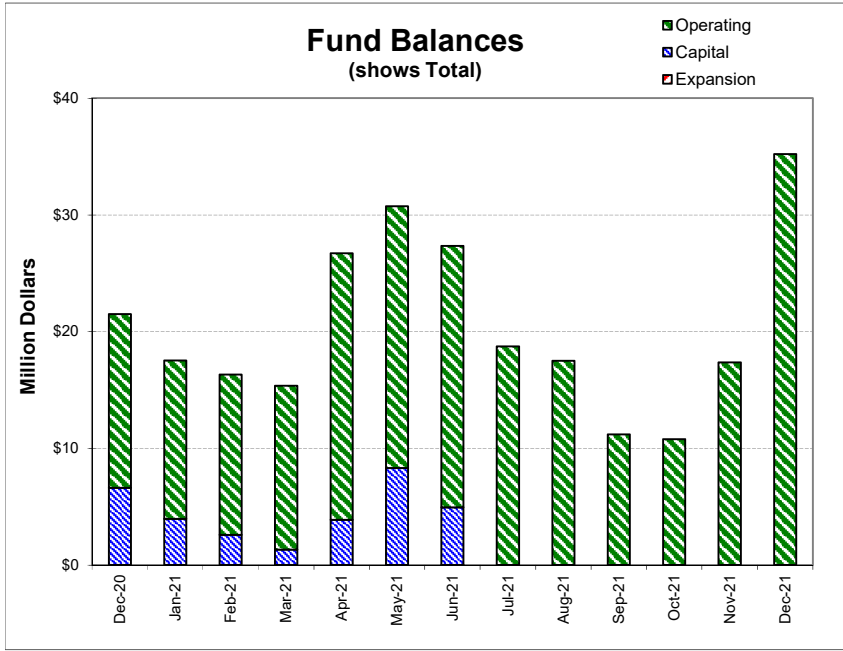
Cash on Hand as of 12/31/21 **\$35,200,000**

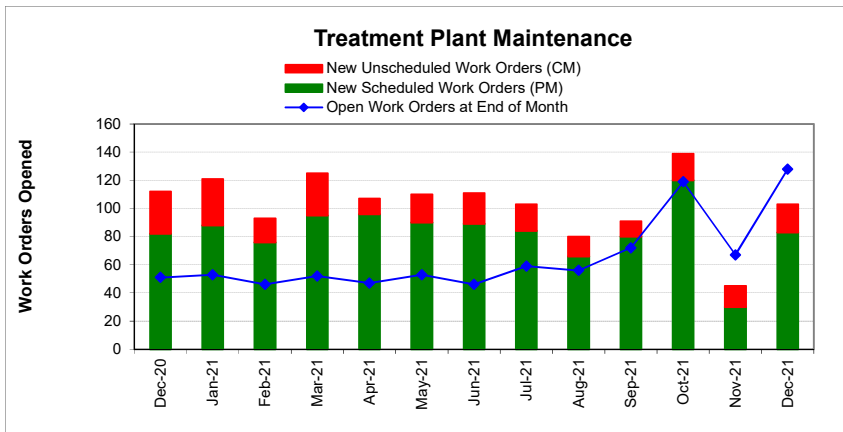
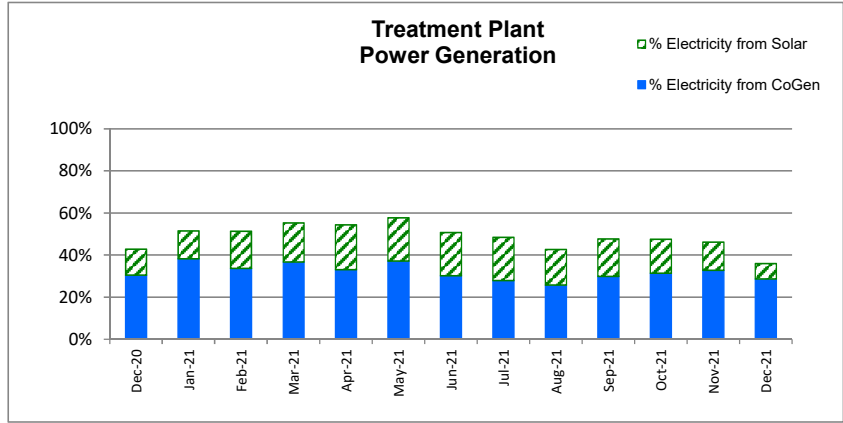
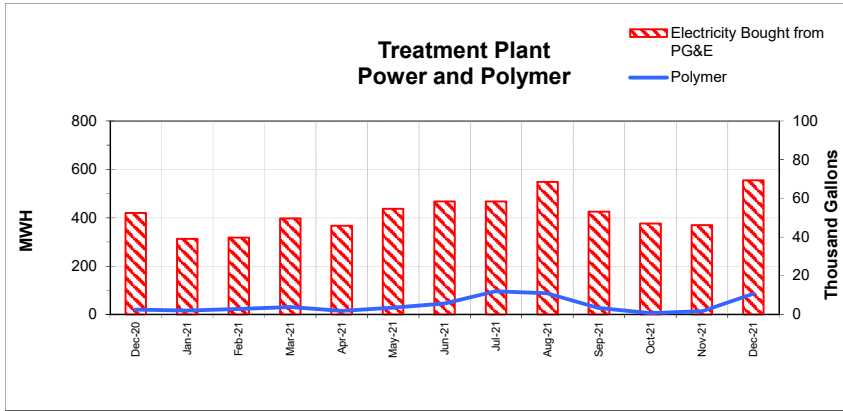
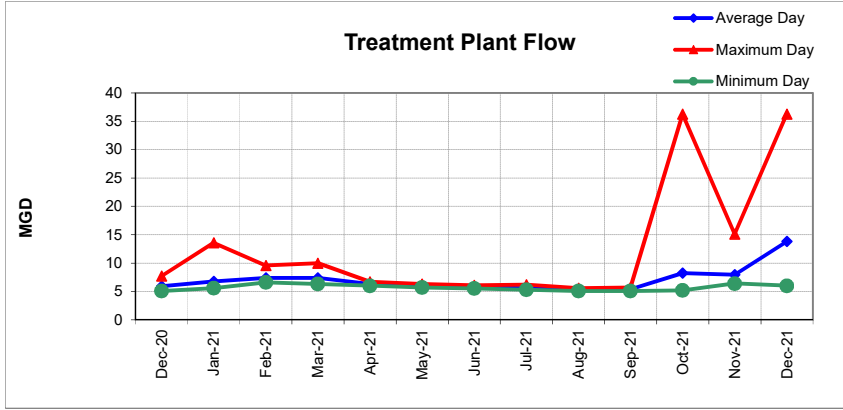
**excluding Debt Service restricted funds

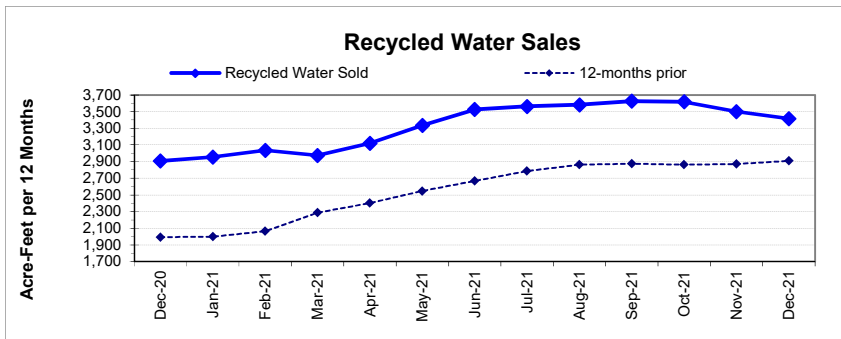
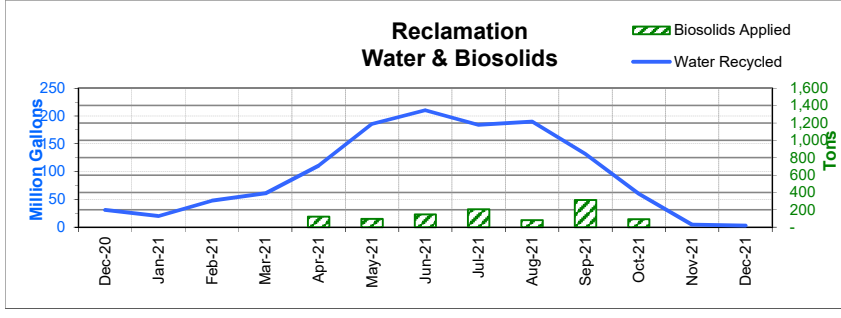
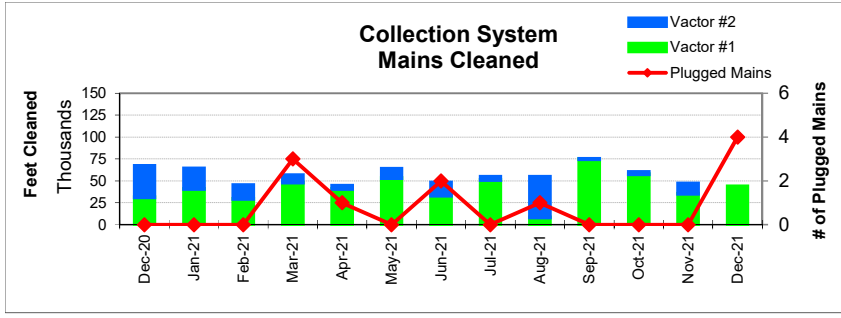
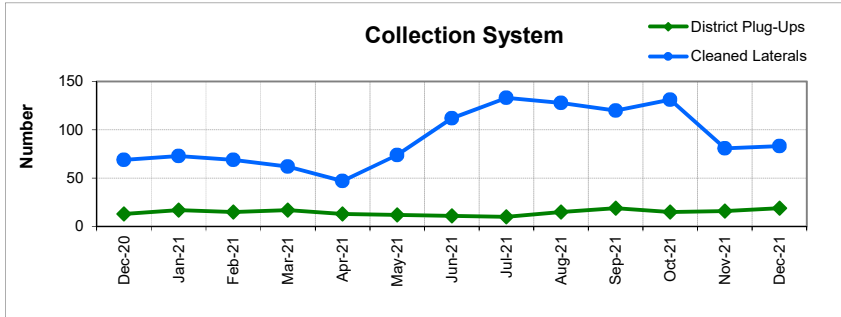
11/30/21 -Effective Rate of Return = 0.91%

Please note: Effective rate of return for December 2021 unavailable at the 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 48.0%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)
5. Received capacity charges for new development earlier than anticipated.







FUND BALANCES - MONTHLY

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

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
<u>Phone Requests</u>													
Maps/Drawings	1	1	1	3	4	4	1	2	0	3	5	2	1
Lateral Permits	-	-	-	0	-	-	-	-	1	-	1	-	-
Policy Questions	0	2	2	1	-	-	2	1	2	3	3	3	1
Development Questions	42	26	36	37	64	65	75	81	68	43	59	30	37
Miscellaneous	6	4	8	3	10	13	14	5	3	14	15	8	8
TOTAL	49	33	47	44	78	82	92	89	74	63	83	43	47
<u>Counter Requests</u>													
Maps/Drawings	-	-	-	-	-	-	-	1	-	-	-	-	-
Lateral Permits	7	10	6	10	5	6	7	6	8	6	7	14	8
Policy Questions	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Questions	-	-	-	-	2	1	1	-	-	-	2	2	0
Miscellaneous	-	-	-	-	-	-	-	-	-	1	-	-	-
TOTAL	7	10	6	10	7	7	8	7	8	7	9	16	8
<u>Initial Request (Referrals)</u>	9	14	9	13	13	26	18	19	13	7	10	3	12
<u>Connection Permits Issued</u>													
Residential Permits	11	4	5	1	7	8	10	9	13	4	11	10	11
Commercial Permits	6	1	3	4	7	3	5	5	6	4	3	7	4
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	17	5	8	5	14	11	15	14	19	8	14	17	15
Residential Units	15	38	3	1	8	3	7	25	11	6	282	18	55
Commercial Units	4	3	2	2	2	2	1	9	-	5	1	3	2
TOTAL UNITS	19	41	5	3	10	5	8	34	11	11	283	21	57
<u>Annexations</u>													
Submitted	-	1	1	-	1	2	-	-	-	-	-	-	-
Acreage	-	8.50	293	-	24.00	4.6	-	-	-	-	-	-	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	8	1	6	5	13	8	11	10	18	6	11	8	10
Second Submittal	9	1	1	1	6	6	7	7	9	5	6	7	6
Third Submittal	8	4	3	1	2	6	5	7	5	9	7	6	5
<u>Building/Tenant Improvements</u>													
First Submittal	6	6	1	5	10	4	5	4	9	7	4	9	3
Second Submittal	4	2	6	1	5	1	3	3	4	3	3	6	2
Third Submittal	-	-	6	2	2	2	3	6	3	3	1	5	4
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	35	14	23	15	38	27	34	37	48	33	32	41	30

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	2	2	2	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	-	-	1	2	1	3	-	-	-	-	2	-
Inspections - Mains	3	2	-	-	-	21	10	5	1	-	-	-	1
Inspections - Manholes	3	4	-	-	11	8	3	5	9	1	1	3	10
Inspections - Laterals	9	7	5	12	35	31	18	9	18	11	12	20	10
Inspections - Cleanouts	10	10	7	9	21	10	1	1	6	4	5	30	16
Inspections - Review Video	-	-	3	-	-	-	3	-	2	-	-	-	3
Demo - Septic Tanks	-	-	-	-	-	1	-	-	-	-	-	-	-
Demo - Buildings	1	-	-	-	-	-	-	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	26	23	15	22	69	72	38	20	38	18	20	55	40
<u>MISCELLANEOUS</u>													
Meter Readings	-	4	-	4	-	-	-	-	-	-	3	-	-
Washdown Facility Inspections	-	-	-	-	-	-	1	-	-	3	3	-	-
General Customer Assistance	34	33	12	-	-	2	-	38	38	20	20	30	15
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	34	37	12	4	-	2	1	38	38	23	26	30	15
<u>SPECIAL PROJECTS</u>	20	20	14	50	37	22	24	12	21	15	18	11	21

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
<u>Outreach Activities</u>													
Plant Tours Conducted	0	0	0	0	0	0	0	0	1	0	0	6	0
Presentations Made	2	2	4	4	0	0	0	0	0	0	0	0	0
Total Outreach Activities	2	2	4	4	-	-	-	-	1	-	-	6	-
<u>Inspections Conducted</u>													
Food Service Facilities	-	-	-	11	13	19	8	42	-	17	17	59	13
Auto Body & Car Wash	-	-	-	-	-	-	-	1	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	19	22	-	-
Total Inspections	-	-	-	11	13	19	8	43	-	36	39	59	13
<u>Compliance Issues</u>													
NOVs Issued	-	1	-	-	1	-	-	-	-	-	-	-	-
NOEs Issued	-	1	-	-	1	-	2	-	-	-	-	1	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	-	2	-	-	2	-	2	-	-	-	-	1	1
<u>Pollution Prevention</u>													
Clothes Washer Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	-	-	-	-	-	-	-	-	-	-	1,678	-	-

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	8.095	1.109	4.210	17.697	42.657	72.839	67.733	73.695	65.483	48.550	23.964	0.121	0.595
Cemeteries	57.1	1.421	0.489	0.548	0.864	4.079	4.307	4.895	5.192	5.328	5.215	3.730	1.100	1.013
Parks	18.5	0.046	-	0.007	-	0.682	1.486	1.230	0.760	0.897	0.637	0.653	-	0.015
Schools	12.6	0.071	0.006	-	0.097	1.544	2.390	2.428	1.969	2.301	1.729	1.189	0.006	0.001
Commerical	166.5	3.651	1.948	1.108	4.228	10.589	16.724	17.867	16.880	18.010	14.366	11.868	2.098	0.703
Vineyards	3,442.0	15.696	16.117	41.694	36.227	41.332	63.950	85.981	64.890	68.576	43.123	15.398	0.794	0.440
Trucked Water	175.0	1.681	0.134	0.238	1.460	3.543	4.223	8.283	6.619	7.321	7.336	3.153	0.166	0.060
Subtotal Sales	4,509.6	30.663	19.803	47.806	60.575	104.425	165.919	188.417	170.005	167.917	120.957	59.956	4.285	2.828
District Use														
Jameson	330.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Somky	213.0	0.133	0.001	-	0.013	6.477	19.621	21.914	13.995	22.023	10.402	0.123	-	0.008
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	0.133	0.001	-	0.013	6.477	19.621	21.914	13.995	22.023	10.402	0.123	-	0.008
TOTAL DELIVERED	5,103.1	30.796	19.803	47.806	60.588	110.902	185.540	210.331	184.000	189.941	131.359	60.078	4.285	2.836
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	1,296	1,299	1,274	1,266	1,321	1,384	1,361	1,359	1,369	1,378	1,374	1,308	1,285
Cemeteries	57.1	118	119	119	112	114	116	115	115	116	119	118	114	113
Parks	18.5	18	18	18	18	20	24	24	21	21	20	20	20	20
Schools	12.6	49	49	48	46	49	50	50	47	46	45	45	42	42
Commerical	166.5	404	407	401	383	387	397	403	393	390	391	387	366	357
Vineyards	3,442.0	955	995	1,106	1,075	1,148	1,285	1,475	1,515	1,517	1,539	1,535	1,515	1,469
Trucked Water	175.0	69	68	69	72	79	81	97	111	122	136	139	136	131
Subtotal Sales	4,509.6	2,909	2,955	3,035	2,973	3,119	3,336	3,524	3,562	3,580	3,628	3,618	3,501	3,415
District Use														
Jameson	330.0	12	12	12	12	12	12	12	7	4	-	-	-	-
Somky	213.0	147	147	147	147	167	211	237	234	270	293	291	291	290
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	160	159	159	159	179	222	249	242	273	293	291	291	290
TOTAL DELIVERED	5,103.1	3,068	3,115	3,194	3,133	3,298	3,558	3,773	3,803	3,854	3,921	3,910	3,791	3,706

BIOSOLIDS HANDLING - MONTHLY

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

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
<u>Plugups</u>													
Total Calls	59	48	41	54	59	40	33	38	40	50	56	55	57
Business Hours	39	37	29	39	37	26	25	24	23	29	38	49	30
After Hours	20	11	12	15	22	14	8	14	17	21	18	6	27
District's	13	17	15	17	13	12	11	10	15	19	15	16	19
Property Owner's	46	31	26	34	45	28	20	28	25	31	41	39	38
Plugged Main Lines	-	-	-	3	1	-	2	-	1	-	-	-	4
Run Lateral w/Eel	69	73	69	62	47	74	112	133	128	120	131	81	83
<u>Cleaning (feet of sewer)</u>													
Vactor #1	31,186	40,675	29,419	48,016	40,653	53,152	33,236	50,928	8,225	74,620	57,574	35,402	43,786
Vactor #2	35,938	23,525	15,887	8,590	3,679	10,568	14,921	3,579	46,483	272	2,432	11,393	-
Hydro	1,968	-	-	166	-	-	-	-	-	-	-	-	-
Rodder	-	1,433	-	-	-	-	-	-	-	-	-	-	-
Total (feet)	69,092	65,633	45,306	56,772	44,331	63,720	48,156	54,507	54,708	74,892	60,006	46,795	43,786
<u>Cleaning Days</u>													
Total	23	27	19	23	19	19	21	19	22	22	21	19	20
Vactor #1	12	16	13	19	17	16	16	16	4	21	20	15	20
Vactor #2	10	8	6	3	2	3	5	3	18	1	1	4	-
Hydro	1	-	-	1	-	-	-	-	-	-	-	-	-
Rodder	-	3	-	-	-	-	-	-	-	-	-	-	-
<u>Feet/day</u>													
Total	3,000	2,450	2,400	2,450	2,350	3,350	2,300	2,850	2,500	3,400	2,850	2,450	2,200
Vactor #1	2,600	2,550	2,250	2,550	2,400	3,300	2,100	3,200	2,050	3,550	2,900	2,350	2,200
Vactor #2	3,600	2,950	2,650	2,850	1,850	3,500	3,000	1,200	2,600	250	2,450	2,850	-
Hydro	1,950	-	-	150	-	-	-	-	-	-	-	-	-
Rodder	-	500	-	-	-	-	-	-	-	-	-	-	-
<u>Video Inspections</u>													
Mains (feet)	18,657	28,757	22,463	36,064	26,380	12,761	26,640	26,847	31,995	34,022	26,402	24,488	9,891
Laterals (each)	227	219	233	228	237	290	244	231	234	212	273	162	170
<u>Construction (each)</u>													
Cleanouts	7	11	7	8	13	5	3	3	4	9	3	9	10
Laterals	6	6	6	7	6	3	3	3	6	1	-	4	4
Mains	1	-	1	-	-	1	-	1	-	-	-	1	-
Manholes	-	-	1	1	-	-	-	-	1	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	2
<u>USA Markings</u>													
Regular (w/in 2 days)	185	204	252	741	1,019	278	287	366	784	313	254	260	194
Emergency (w/in 2 hours)	15	10	13	19	22	17	14	7	13	29	5	13	11

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
<u>Scheduled</u>													
Old	31	20	25	26	26	26	31	22	35	34	48	95	44
New	82	88	76	95	96	90	89	84	66	80	120	30	83
Completed	93	83	75	95	96	85	98	71	67	66	73	81	31
New Balance	20	25	26	26	26	31	22	35	34	48	95	44	96
<u>Unscheduled</u>													
Old	34	31	28	20	26	21	22	24	24	22	24	24	23
New	30	33	17	30	11	20	22	19	14	11	19	15	20
Completed	33	36	25	24	16	19	20	19	16	9	19	16	11
New Balance	31	28	20	26	21	22	24	24	22	24	24	23	32
<u>Total Work Orders</u>													
Old	65	51	53	46	52	47	53	103	59	56	72	119	67
New	112	121	93	125	107	110	111	90	80	91	139	45	103
Completed	126	119	100	119	112	104	118	59	83	75	90	97	42
New Balance	51	53	46	52	47	53	46	59	56	72	119	67	128
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	328	209	204	219	242	142	159	140	165	144	149	143	135
Process Control	1,644	986	918	968	1,010	783	871	829	826	795	772	812	958
Special Request	42	9	-	-	-	-	10	-	-	6	2	2	-
Quality Control/Assurance	1,662	929	878	962	968	674	506	520	551	535	641	938	729
TOTAL	3,676	2,133	2,000	2,149	2,220	1,599	1,546	1,489	1,542	1,480	1,564	1,895	1,822

**Summary of NSD Capital Project Status
through 12-31-2021**

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	-	25,663	38,637	40%
13702	Manhole Raising/Rehab	356,300	-		356,300	33,200	2,494	320,606	1%
13703	Lateral Replacement/Rehab	117,800	-		117,800	-	9,078	108,722	8%
13704	Cleanouts Installation/Rehab	114,600	-		114,600	-	22,527	92,073	20%
13705	I&I Reduction Program	237,500	-		237,500	213,200	397	23,903	0%
14703	Browns Valley Rd & First St	7,000,000	2,141,900	(300,000)	8,841,900	2,161,763	3,366,161	3,313,975	38%
18702	Coll Sys Asset Mgmt Software	-	45,550	50,000	95,550	7	79,608	15,935	83%
19701	66-inch Trunk Rehab	-	4,770,000		4,770,000	775,085	3,474,975	519,940	73%
19703	Sewer System I&I 2020	-	1,911,400		1,911,400	1,514,393	15,387	381,621	1%
20701	Upper Lateral Rehab - Pilot #5	5,000	-		5,000	-	-	5,000	-
20702	Manhole Rehabilitation	258,800	-	(50,000)	208,800	-	995	207,805	0%
20703	2021 Collection System Rehab	2,785,800	1,007,200		3,793,000	721,051	2,216,772	855,177	58%
21701	2022 Collection System Rehab	4,394,600	14,950		4,409,550	15,600	39,350	4,354,600	1%
21718	NN Siphon Gate Rplcment	300,000	9,100		309,100	59,116	41,744	208,241	14%
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	1,361,077	1,545,801	1,476,522	35%
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	708,351	340,269	159,681	28%
20707	Pond Levee Repair	900,000	127,500		1,027,500	126,451	594,162	306,888	58%
20708	2020 Treatment Plant Imprvmnts	800,000	1,197,900		1,997,900	666,388	186,781	1,144,730	9%
22706	2023 Treatment Plant Imprvmnts	150,000	-		150,000	-	-	150,000	-
<u>TREATMENT - EQUIPMENT</u>									
					-			-	-

**Summary of NSD Capital Project Status
through 12-31-2021**

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	(35,000)	15,700	-	8,079	7,621	51%
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	38,194	97,512	25%
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	-	76,030	12,870	86%
22710	Plant Door Rplcmnt Ph 3	23,800	-		23,800	-	-	23,800	-
	<u>LAB - EQUIPMENT</u>								
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	2,527	54,556	12,916	78%
	<u>SCADA</u>								
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	-
	<u>RECYCLING - PROJECTS</u>								
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	-	15,000	35,000	14,496	11,178	9,325	32%
22719	2021 MST RW Meters	-	-	300,000	300,000	5,000	168,422	126,578	56%

**Summary of NSD Capital Project Status
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	<u>RECYCLING - EQUIPMENT</u>								
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	-	58,692	15,508	79%
21717	Veh 723 - Water Trailer	-	30,250		30,250	-	1,716	28,534	6%
22717	Meter Reading Software Upgrade	20,000	-		20,000	-	-	20,000	-
	<u>OTHER</u>								
13729	Development Technical Support	361,000	-		361,000	-	116,574	244,426	32%
22718	WWTP Site Paving	5,000	-		5,000	-	-	5,000	-
		\$20,128,300	\$17,498,550	-	\$37,626,850	\$9,155,566	\$12,663,245	\$15,808,042	34%