



Napa Sanitation District

General Manager's Report

for

May 2021

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DATE: July 21, 2021
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for May 2021

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 3 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 – May 31, 2021
Percent Fiscal Year:	91.7%
Operating Expenditures to date:	61.5%
Historical Expenditures to date:	83.8%
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.

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	Held interviews for Collection System Worker recruitment
Injuries:	None

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COLLECTIONS:

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 3 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 3 cleanouts and repaired 2 cleanouts. They also repaired 3 laterals and made 1 main line repair. Additionally, the service response/programs crew completed 122 work orders in support of the grease and odor control program, responded to 40 customer requests for service (12 were NSD problem) and closed out 295 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 74 laterals, cleaned approximately 63,720.4 feet of main line and CCTV inspected 176 laterals. In addition, the CCTV truck televised 12,760.7 feet of mainline.

TREATMENT PLANT:

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

Plant Operations:

- For May 2021, the plant's influent flow was 183.1 MG as compared to last year flow for May 2020 of 184.0 MG
- There was 0.07" rainfall for May 2021 (Carneros Rainfall Center) as compared to 1.40" rainfall for May 2020.
- Pond 4 end of the month recorded level reading was 67.88".

Power Consumption and Production:

- May 2021 power purchased from PG&E was 437 MWH in comparison to May 2020 purchase of 377 MWH.
- Cogeneration unit ran 730 of 744 hours for the month – 98.12% uptime, averaging 370.05 Kw, producing 301 MWH of energy
- Solar generation in May 2021 was 191 MWH, compared to 171 MWH in April and 194 MWH in May 2020.

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Maintenance:

Significant events for the month of May 2021:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Cogeneration unit annual source test by BAAQMD-in compliance
- Cogen Service:
 - Changed oil & sock filters
 - Replaced pre-air filter and main air filter
- Change Siloxane Filters Media
- Gas Compressor annual service
- Replaced Headworks Conductivity Probe
- Sump Pump #2/replaced motor starter and overload
- DAFT Clarifier Drive/replaced motor
- IPS west channel upstream Duperon level sensor/replaced
- Replaced digester building fire control panel interface
- Plant #7101 compliance inspection by BAAQMD

Projects

- Installed new Autoclave in Lab

Standby Power

- Plant generators operational testing only
- 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 May, 2021.

Influent (INF-001) Summary

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

- May 4, 2021: Metals, Mercury, Cyanide, VOC, BNA

RECYCLING:

Significant events in the Recycling Department for May 2021 include:

- Recycled water delivered for the month of May 2021 was (185.540 million gallons), as compared to May 2020 (100.686 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 Jameson Reuse Site.
- Staff approved the connection of three new recycled water connections. One in the MST area and two in the LCWD area.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for May 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 continued the Earth Day Scavenger Hunt into May and awarded prizes to 5 participants.
- Staff helped to plan and advertise the Napa Countywide Water Conservation Group's video contest with the theme "Imagine Our Water Future." Staff will help judge the videos in June and award prizes to the winners.
- 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 May 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.
- Contractor continued construction of the Pond Levee Maintenance Project.

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- Contractor continued construction of the Sanitary Sewer Manhole Adjustment Project, Phase X.
- Contractor continued construction of the 2021 Treatment Plant Improvements Project.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 27 sets of development plans and deemed 11 sets of plans complete. The approved plans consisted of 1 mainline extension, 6 residential dwellings, 1 commercial building, 1 residential lateral, 1 recycled water lateral and 1 tenant improvement.

Budget Status & Cash Summary - July 1, 2020 - May 31, 2021 (91.7% 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	\$2,039	\$8,041,500	\$8,043,540	\$1,546,760	83.9%
Services & Supplies	6,428,900	592,096	4,985,847	5,577,943	850,957	86.8%
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	\$594,136	\$17,647,320	\$18,241,455	\$11,408,145	61.5% ^②
Capital						
Bldgs/Improvements & Equip	\$65,903,450	\$22,003,180	\$29,605,369	\$51,608,549	\$14,294,901 ^③	78.3%
Intrafund Transfers	1,992,000	-	1,690,373	1,690,373	301,627	84.9%
Total Capital :	\$67,895,450	\$22,003,180	\$31,295,741	\$53,298,922	\$14,596,528	78.5%
Grand Total Expenditures:	\$97,545,050	\$22,597,316	\$48,943,061	\$71,540,377	\$26,004,673	73.3%

<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		\$424,654	\$424,654	(\$99,654) ^④	130.7%
Charges for Services	32,433,000		31,598,669	31,598,669	834,331	97.4%
Miscellaneous Revenues	62,000		412,998	412,998	(350,998)	666.1%
Donations/Contributions (Capital Labor)	-		729,303	729,303	(729,303) ^⑤	N/A
Total Operating:	\$32,820,000		\$33,165,624	\$33,165,624	(\$345,624)	101.1%
Capital						
Use of Money/Property	\$0		\$1,022	\$1,022	(\$1,022)	N/A
Capacity Charges	1,992,000		1,268,521	1,268,521	723,480	63.7%
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		2,000	2,000	3,000	40.0%
Intrafund Transfers	10,992,000		1,690,373	1,690,373	9,301,627	15.4%
Total Capital:	\$40,263,900		\$17,825,521	\$17,825,521	\$22,438,379	44.3%
Grand Total Revenue:	\$73,083,900		\$50,991,146	\$50,991,146	\$22,092,754	69.8%

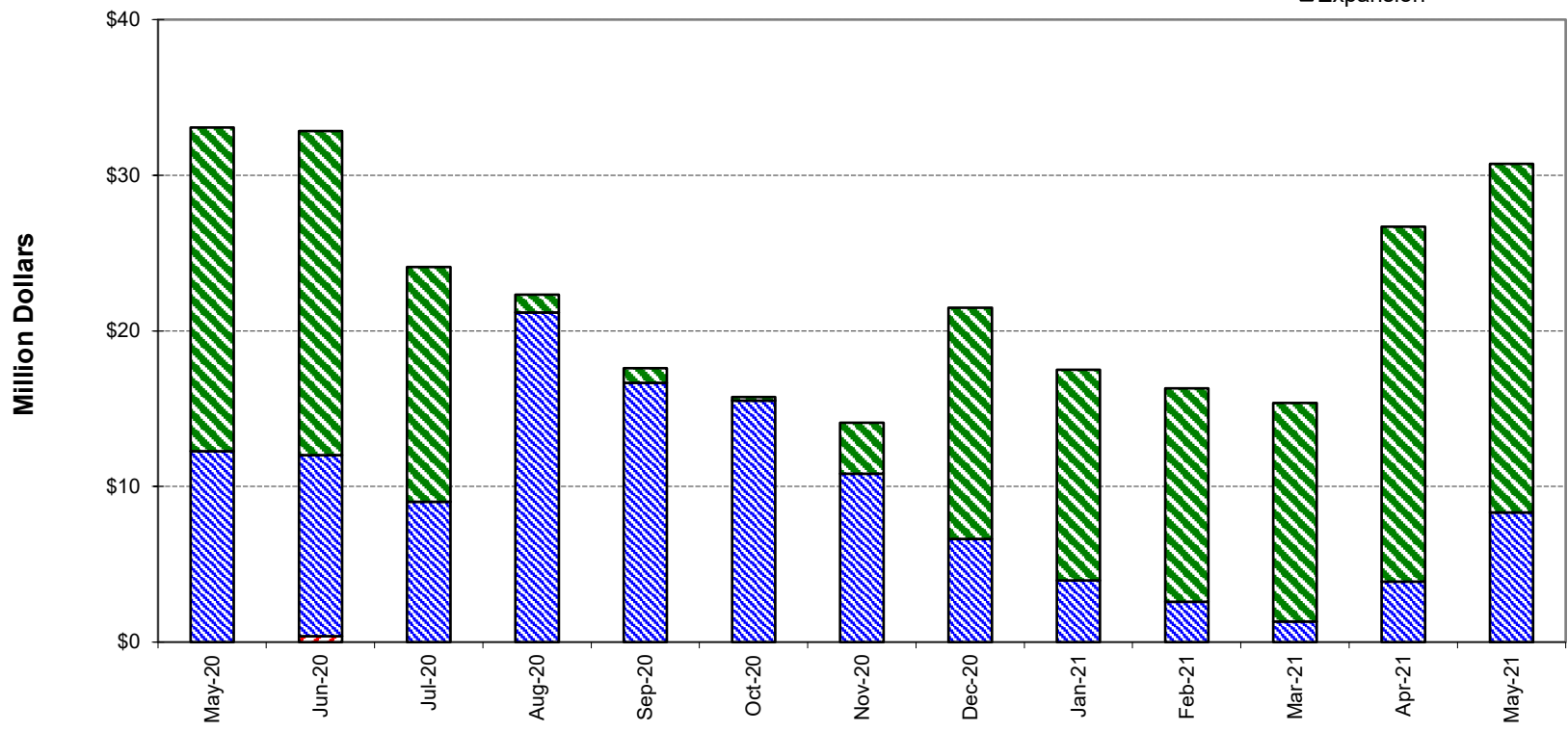
Cash on Hand as of 05/31/21 **\$30,719,362**

**excluding Debt Service restricted funds
5/31/21 -Effective Rate of Return = 0.93%

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 85.0%
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)

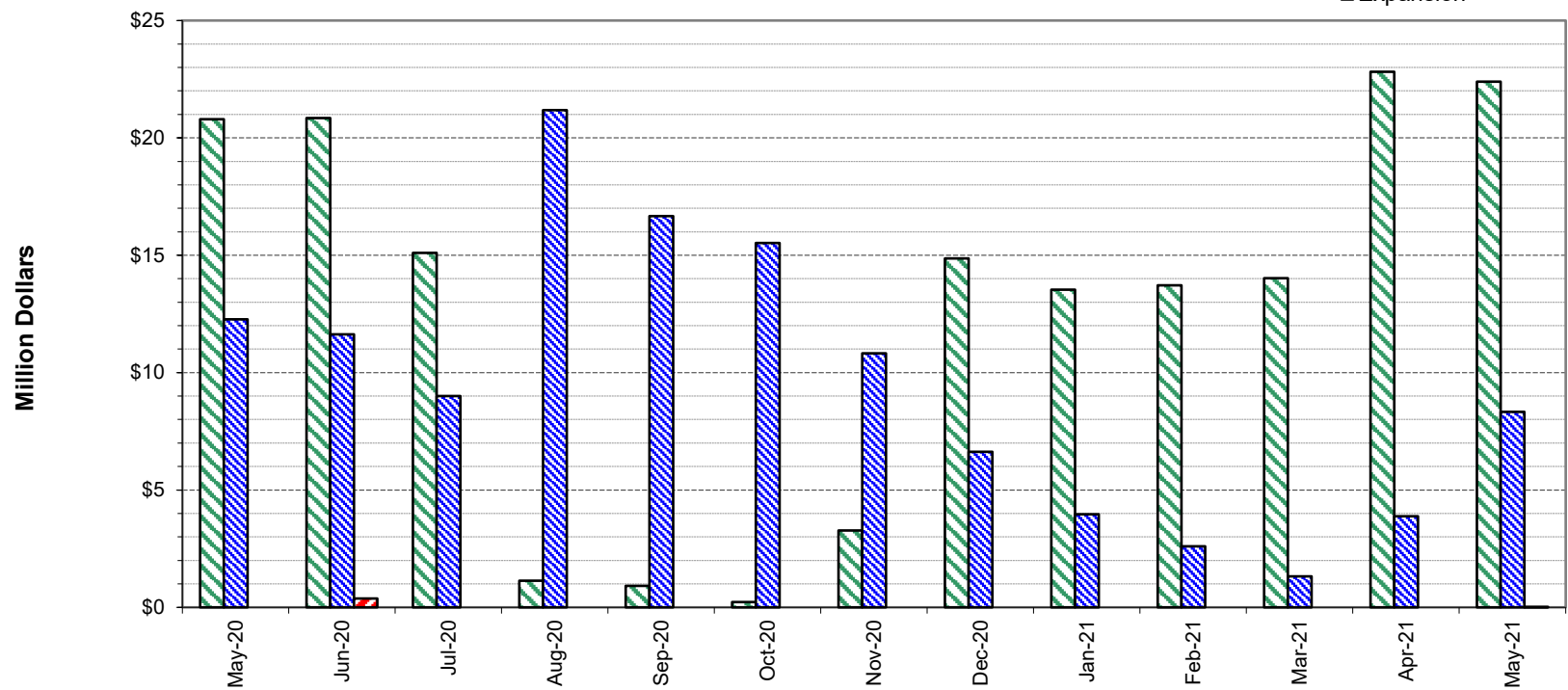
Fund Balances (shows Total)

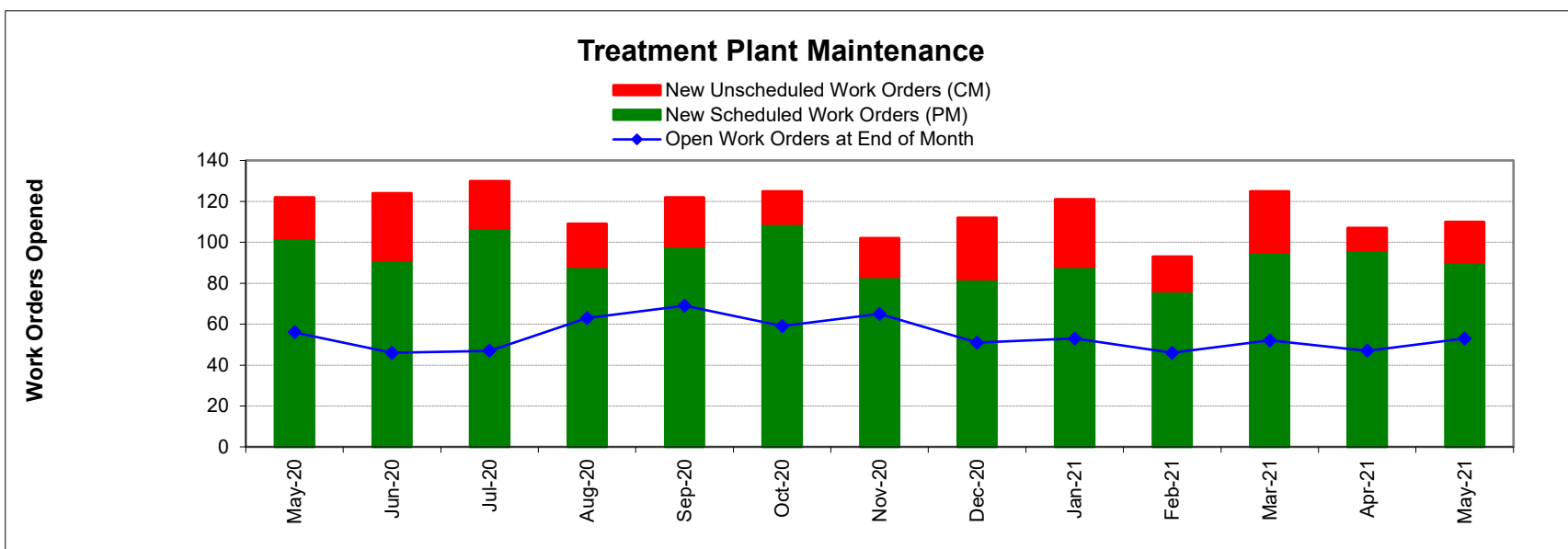
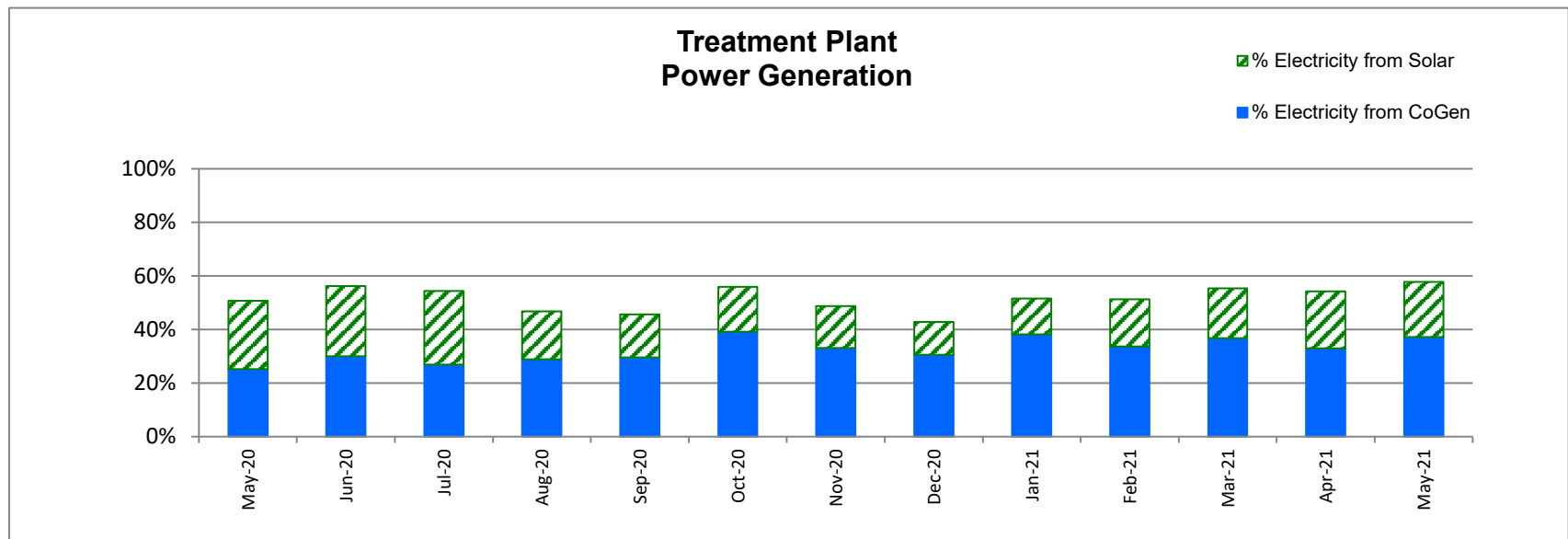
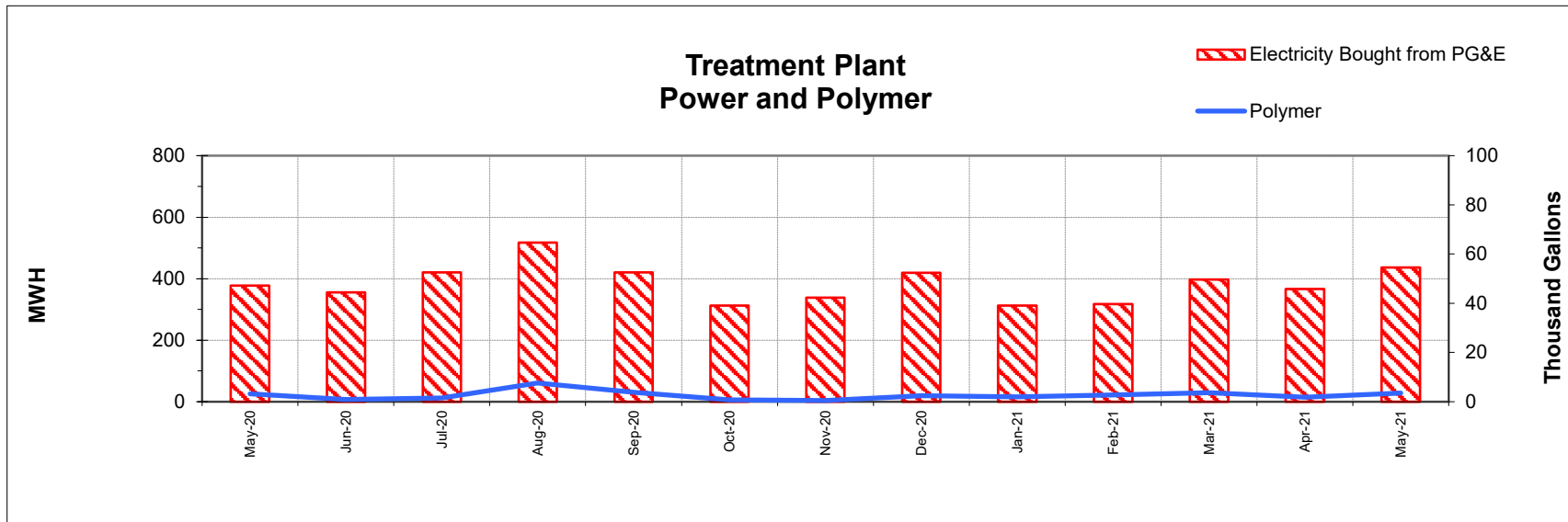
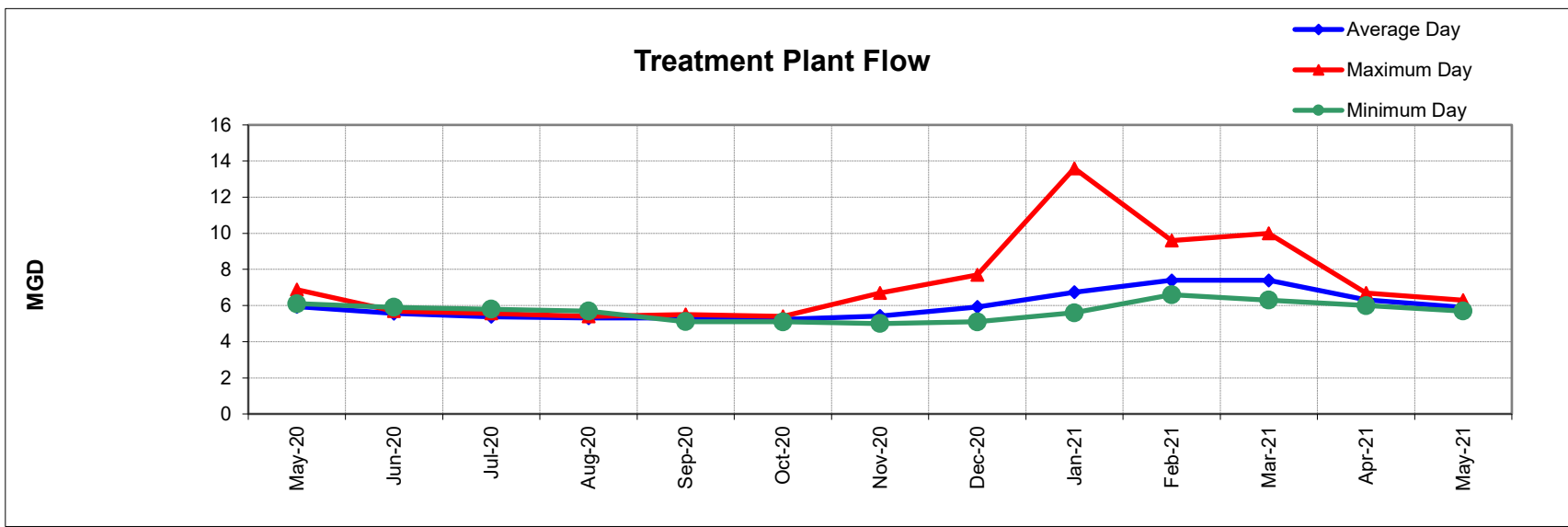
- Operating
- Capital
- Expansion

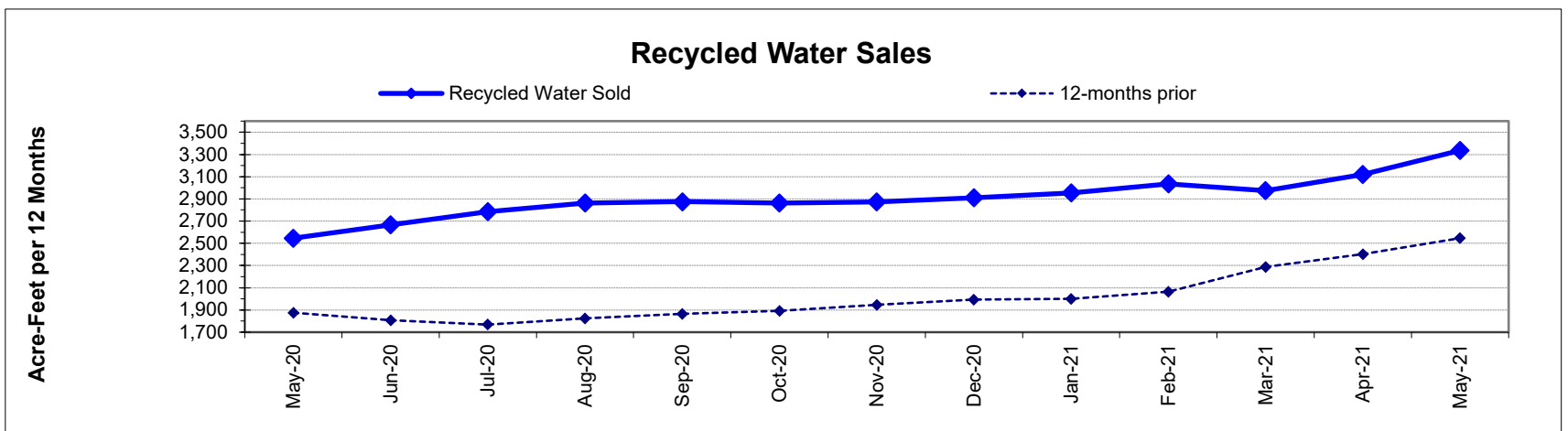
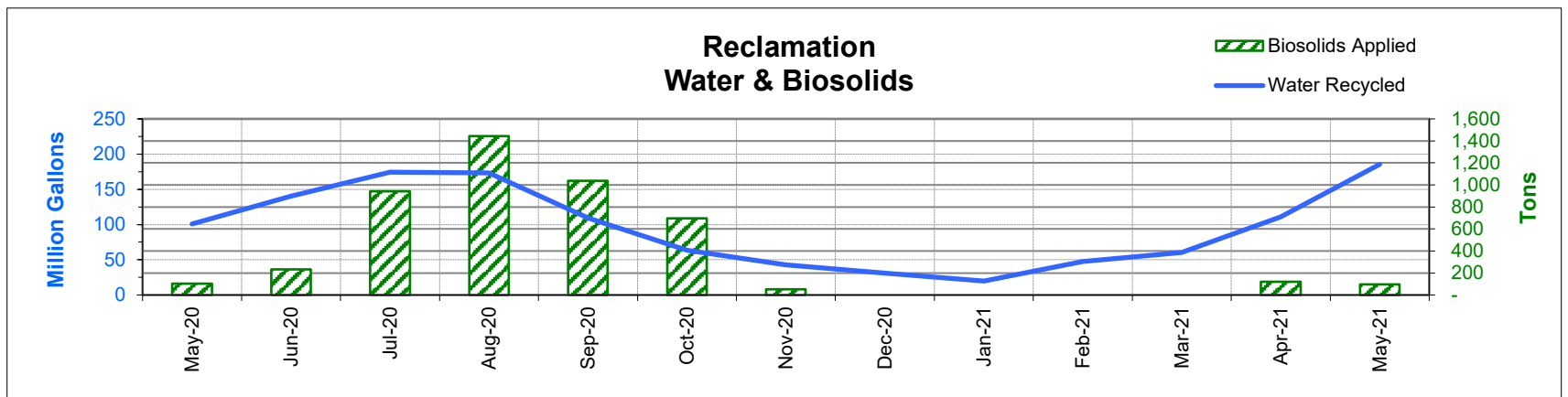
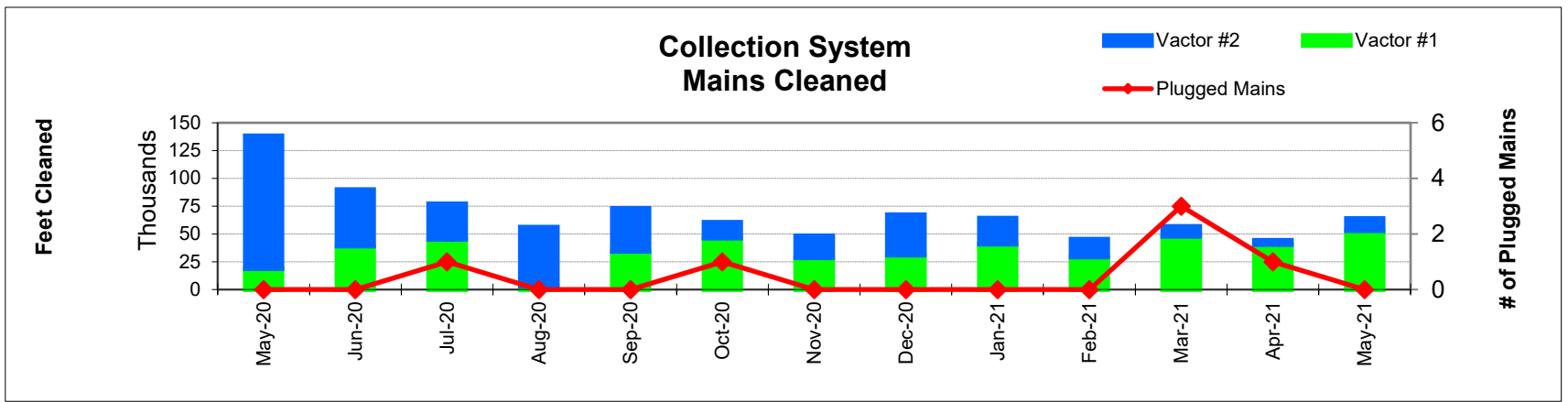
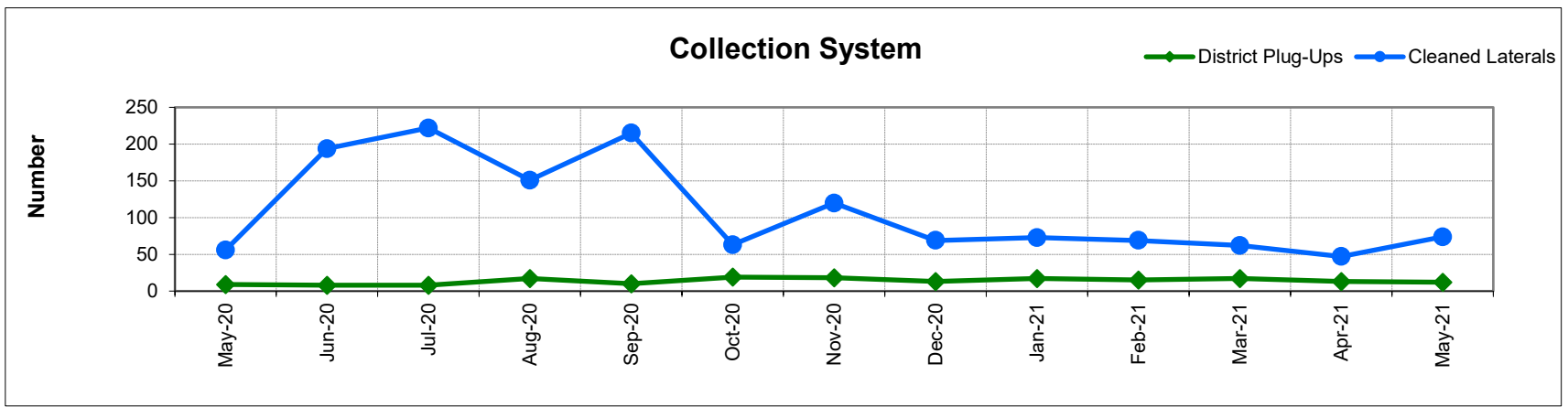


Fund Balances (Side-by-side Comparison)

- Operating
- Capital Projects
- Expansion







FUND BALANCES - MONTHLY

CATEGORY	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	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
7850	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
Capital Improvement Projects	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Debt Proceeds	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Total Discretionary Funds	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	33,055	32,845	24,113	22,322	17,598	15,757	14,086	21,494	17,503	16,312

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
<u>Phone Requests</u>													
Maps/Drawings	1	7	1	4	2	2	2	1	1	1	3	4	4
Lateral Permits	-	-	-	-	-	-	-	-	-	-	0	-	0
Policy Questions	-	3	3	1	3	1	1	0	2	2	1	-	0
Development Questions	36	45	31	48	45	30	38	42	26	36	37	64	65
Miscellaneous	6	7	6	13	14	11	8	6	4	8	3	10	13
TOTAL	43	62	41	66	64	44	49	49	33	47	44	78	82
<u>Counter Requests</u>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	10	10	15	8	7	13	13	7	10	6	10	5	6
Policy Questions	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Questions	-	-	2	-	-	-	3	-	-	-	-	2	1
Miscellaneous	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	10	10	17	8	7	13	16	7	10	6	10	7	7
<u>Initial Request (Referrals)</u>	4	8	6	17	10	8	15	9	14	9	13	13	26
<u>Connection Permits Issued</u>													
Residential Permits	14	10	6	6	10	2	6	11	4	5	1	7	8
Commercial Permits	-	1	6	1	1	1	5	6	1	3	4	7	3
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	14	11	12	7	11	3	11	17	5	8	5	14	11
Residential Units	20	16	6	5	10	13	13	15	38	3	1	8	3
Commercial Units	-	20	6	1	1	1	-	4	3	2	2	2	2
TOTAL UNITS	20	36	12	6	11	14	13	19	41	5	3	10	5
<u>Annexations</u>													
Submitted	-	-	2	-	-	-	1	-	1	1	-	1	2
Acreage	-	-	18.2	-	-	-	36.06	-	8.50	293	-	24.00	4.6
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	13	12	12	9	8	5	8	8	1	6	5	13	8
Second Submittal	9	10	11	4	10	1	8	9	1	1	1	6	6
Third Submittal	4	8	4	6	8	7	5	8	4	3	1	2	6
<u>Building/Tenant Improvements</u>													
First Submittal	4	9	5	9	2	4	7	6	6	1	5	10	4
Second Submittal	2	10	4	5	4	3	1	4	2	6	1	5	1
Third Submittal	7	8	1	5	3	3	4	-	-	6	2	2	2
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	39	57	37	38	35	23	33	35	14	23	15	38	27

INSPECTION WORKLOAD - MONTHLY

CATEGORY	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	-	1	2	2	-	-	-	-	-	1	2	1
Inspections - Mains	6	5	2	-	-	7	3	3	2	-	-	-	21
Inspections - Manholes	6	-	6	6	6	5	6	3	4	-	-	11	8
Inspections - Laterals	32	9	12	12	8	12	8	9	7	5	12	35	31
Inspections - Cleanouts	4	2	3	5	11	9	13	10	10	7	9	21	10
Inspections - Review Video	-	2	2	3	2	4	-	-	-	3	-	-	-
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	1
Demo - Buildings	-	-	-	1	-	-	-	1	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	48	18	26	29	29	37	30	26	23	15	22	69	72
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	-	-	-	-	-	-	4	-	4	-	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	24	30	26	46	35	27	35	34	33	12	-	-	2
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	24	30	26	46	35	27	35	34	37	12	4	-	2
<u>SPECIAL PROJECTS</u>	23	22	23	21	21	22	21	20	20	14	50	37	22

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-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	1	0	0	0	2	2	4	4	0	0
Total Outreach Activities	-	-	-	1	-	-	-	2	2	4	4	-	-
<u>Inspections Conducted</u>													
Food Service Facilities	-	-	-	-	-	-	-	-	-	-	11	13	19
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	-	-	-	-	-	-	-	-	-	-	11	13	19
<u>Compliance Issues</u>													
NOVs Issued	-	-	1	-	-	-	1	-	1	-	-	1	-
NOEs Issued	1	1	-	-	1	1	-	-	1	-	-	1	-
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	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	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	#####	#####	#####	#####	#####	#####	#####	8.095	1.109	4.210	17.697	42.657	72.839
Cemeteries	57.1	3.965	4.958	5.192	5.091	4.257	4.064	2.374	1.421	0.489	0.548	0.864	4.079	4.307
Parks	18.5	0.271	1.188	1.670	1.142	0.691	0.638	0.274	0.046	-	0.007	-	0.682	1.486
Schools	12.6	2.146	2.341	2.926	2.583	1.995	1.372	0.827	0.071	0.006	-	0.097	1.544	2.390
Commerical	166.5	#####	#####	#####	#####	#####	#####	8.985	3.651	1.948	1.108	4.228	10.589	16.724
Vineyards	3,442.0	#####	#####	#####	#####	#####	#####	7.086	#####	#####	#####	36.227	41.332	63.950
Trucked Water	175.0	3.612	3.079	1.988	3.988	2.748	2.104	1.251	1.681	0.134	0.238	1.460	3.543	4.223
Subtotal Sales	4,509.6	95.277	126.903	157.889	161.805	105.500	63.053	42.607	30.663	19.803	47.806	60.575	104.425	165.919
District Use														
Jameson	330.0	-	-	1.479	1.146	1.271	-	-	-	-	-	-	-	-
Somky	213.0	5.408	#####	#####	#####	2.855	0.547	0.254	0.133	0.001	-	0.013	6.477	19.621
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	5.408	13.369	16.315	11.638	4.126	0.547	0.254	0.133	0.001	-	0.013	6.477	19.621
TOTAL DELIVERED	5,103.1	100.686	140.271	174.204	173.443	109.626	63.600	42.861	30.796	19.803	47.806	60.588	110.902	185.540
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	1,232	1,283	1,297	1,288	1,275	1,254	1,271	1,296	1,299	1,274	1,266	1,321	1,384
Cemeteries	57.1	117	121	120	118	117	117	115	118	119	119	112	114	116
Parks	18.5	15	16	19	18	17	17	18	18	18	18	18	20	24
Schools	12.6	40	42	45	47	48	49	49	49	49	48	46	49	50
Commerical	166.5	396	407	412	415	410	408	400	404	407	401	383	387	397
Vineyards	3,442.0	705	748	842	919	945	954	954	955	995	1,106	1,075	1,148	1,285
Trucked Water	175.0	40	48	50	58	62	64	65	69	68	69	72	79	81
Subtotal Sales	4,509.6	2,546	2,666	2,785	2,864	2,874	2,864	2,872	2,909	2,955	3,035	2,973	3,119	3,336
District Use														
Jameson	330.0	2	2	6	8	12	12	12	12	12	12	12	12	12
Somky	213.0	282	286	279	232	178	160	147	147	147	147	147	167	211
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	283	288	285	240	190	172	159	160	159	159	159	179	222
TOTAL DELIVERED	5,103.1	2,830	2,953	3,070	3,104	3,064	3,036	3,031	3,068	3,115	3,194	3,133	3,298	3,558

BIOSOLIDS HANDLING - MONTHLY

Site	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
<u>Land Applied by NSD</u>													
Somky												119	
Fagundes						22	53						
Jameson Canyon	103	234	49	165	201	85							96
Subtotal by NSD	103	234	49	165	201	107	53	-	-	-	-	119	96
<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	103	234	942	1,442	1,039	697	53	-	-	-	-	119	96
Off Site (Contractor)													
Total (tons)	103	234	942	1,442	1,039	697	53	-	-	-	-	119	96

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
<u>Plugups</u>													
Total Calls	37	34	23	47	29	62	56	59	48	41	54	59	40
Business Hours	25	25	17	28	19	43	37	39	37	29	39	37	26
After Hours	12	9	6	19	10	19	19	20	11	12	15	22	14
District's	9	8	8	17	10	19	18	13	17	15	17	13	12
Property Owner's	28	26	15	30	19	42	38	46	31	26	34	45	28
Plugged Main Lines	-	-	1	-	-	1	-	-	-	-	3	1	-
Run Lateral w/Eel	56	194	222	151	215	63	120	69	73	69	62	47	74
<u>Cleaning (feet of sewer)</u>													
Vactor #1	18,947	39,019	45,066	2,936	34,338	46,255	28,507	31,186	40,675	29,419	48,016	40,653	53,152
Vactor #2	#####	50,948	31,916	53,184	38,654	14,202	19,789	35,938	23,525	15,887	8,590	3,679	10,568
Hydro	42,241	-	-	-	-	-	-	1,968	-	-	166	-	-
Rodder	-	-	-	694	-	-	-	-	1,433	-	-	-	-
Total (feet)	#####	89,967	76,982	56,814	72,992	60,457	48,296	69,092	65,633	45,306	56,772	44,331	63,720
<u>Cleaning Days</u>													
Total	30	33	28	21	21	22	20	23	27	19	23	19	19
Vactor #1	9	17	17	3	10	16	12	12	16	13	19	17	16
Vactor #2	17	16	11	17	11	6	8	10	8	6	3	2	3
Hydro	4	-	-	-	-	-	-	1	-	-	1	-	-
Rodder	-	-	-	1	-	-	-	-	3	-	-	-	-
<u>Feet/day</u>													
Total	6,000	2,750	2,750	2,700	3,500	2,750	2,400	3,000	2,450	2,400	2,450	2,350	3,350
Vactor #1	2,100	2,300	2,650	1,000	3,450	2,900	2,400	2,600	2,550	2,250	2,550	2,400	3,300
Vactor #2	7,000	3,200	2,900	3,150	3,500	2,350	2,450	3,600	2,950	2,650	2,850	1,850	3,500
Hydro	10,550							1,950			150		
Rodder				700					500	-	-		
<u>Video Inspections</u>													
Mains (feet)	27,649	16,016	24,214	22,515	19,796	26,009	28,717	18,657	28,757	22,463	36,064	26,380	12,761
Laterals (each)	109	239	270	210	259	184	204	227	219	233	228	237	290
<u>Construction (each)</u>													
Cleanouts	3	12	9	15	21	8	12	7	11	7	8	13	5
Laterals	4	19	6	25	23	20	9	6	6	6	7	6	3
Mains	-	-	-	-	1	4	3	1	-	1	-	-	1
Manholes	-	-	1	-	-	3	-	-	-	1	1	-	-
Other	-	-	-	-	5	25	-	-	-	-	-	-	-
<u>USA Markings</u>													
Regular (w/in 2 days)	260	284	278	297	281	278	246	185	204	252	741	1,019	278
Emergency (w/in 2 hours)	14	13	10	18	12	13	13	15	10	13	19	22	17

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21
<u>Scheduled</u>													
Old	9	39	25	26	40	39	24	31	20	25	26	26	26
New	102	91	107	88	98	109	83	82	88	76	95	96	90
Completed	72	105	106	74	99	124	76	93	83	75	95	96	85
New Balance	39	25	26	40	39	24	31	20	25	26	26	26	31
<u>Unscheduled</u>													
Old	14	17	21	21	23	30	35	34	31	28	20	26	21
New	20	33	23	21	24	16	19	30	33	17	30	11	20
Completed	17	29	23	19	17	11	20	33	36	25	24	16	19
New Balance	17	21	21	23	30	35	34	31	28	20	26	21	22
<u>Total Work Orders</u>													
Old	23	56	46	47	63	69	59	65	51	53	46	52	47
New	122	124	130	109	122	125	102	112	121	93	125	107	110
Completed	90	135	130	93	116	133	96	126	119	100	119	112	104
New Balance	56	46	47	63	69	59	65	51	53	46	52	47	53
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	140	172	220	189	141	191	221	328	209	204	219	242	142
Process Control	708	815	776	772	700	906	960	1,644	986	918	968	1,010	783
Special Request	20	140	38	51	31	10	301	42	9	-	-	-	-
Quality Control/Assurance	595	622	661	674	577	727	928	1,662	929	878	962	968	674
TOTAL	1,463	1,749	1,695	1,686	1,449	1,834	2,410	3,676	2,133	2,000	2,149	2,220	1,599

**Summary of NSD Capital Project Status
through 5-31-2021**

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	-	13,862	48,238	22%
13702	Manhole Raising/Rehab	250,000			250,000	-	18,747	231,253	7%
13703	Lateral Replacement/Rehab	113,900			113,900	-	94,551	19,349	83%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	7,272	61,010	30,418	62%
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	3,992,861	15,287,242	453,847	77%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	69,183	183,266	14,151	69%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	6,375,788	574,497	8,136,265	4%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	1,630,646	4,274,549	286,205	69%
19727	Coll Sys Master Plan	-	100,000		100,000	-	8,832	91,168	9%
20702	Manhole Rehabilitation	250,000			250,000	-	28,044	221,956	11%
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	2,914,346	424,652	87,552	12%
21701	2022 Collection System Rehab	20,000			20,000	-	4,385	15,615	22%
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	4,766,084	3,727,104	1,553,262	37%
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	273,666	473,214	489,470	38%
20707	Pond Levee Repair	700,000	9,150		709,150	233,776	450,859	24,516	64%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	880,068	191,068	336,464	14%
<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 5-31-2021**

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	-	24,110	6,090	80%
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	35,506	-	75,394	-
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	-	28,793	2,207	93%
						-			
	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 5-31-2021**

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	-	84,019	28,081	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	-	5,835	24,865	19%
20722	Badger Meter Replacement	-	80,000		80,000	-	35,913	44,087	45%
21715	Soscol Recycle Pump #2 Rehab	160,700			160,700	112,099	-	48,601	-
21716	Veh 174 - Ford F-350 SB	75,700			75,700	57,718	1,564	16,418	2%
21717	Veh 723 - Water Trailer	42,800			42,800	-	6,182	36,618	14%
	OTHER								
13729	Development Technical Support	348,800			348,800	-	208,345	140,455	60%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000	20,000	40,000	-	-	40,000	-
		\$43,246,800	\$22,656,650	-	\$65,903,450	\$22,003,180	\$29,605,369	\$14,294,899	45%