



Napa Sanitation District

General Manager's Report

for

September 2020

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DATE: November 4, 2020
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for September 2020

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 – September 30, 2020 |
| Percent Fiscal Year: | 25.0% |
| Operating Expenditures to date: | 27.9% |
| Historical Expenditures to date: | 33.0% |
| Significant Comments: | None |

PERSONNEL:

Significant events for the month of September 2020 in the Human Resources Department:

| | |
|-------------------------|------|
| New Hires: | None |
| Separations: | None |
| Promotions: | None |
| Recruitment Activities: | None |
| Injuries: | None |

COLLECTIONS:

Significant events for the month of September 2020 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 can be cleaned up by the crews.)

- The repair crew installed 11 cleanouts and repaired 8 cleanouts. They also repaired 8 laterals, lined 15 laterals and installed 1 main spot liner. Additionally, the service response/programs crew completed 133 work orders in support of the grease and odor control program, responded to 29 customer requests for service (10 were NSD problem) and closed out 293 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 215 laterals, cleaned approximately 72,991.9 feet of main line and CCTV inspected 15 laterals. In addition, the CCTV truck televised 19,796.1 feet of mainline.

TREATMENT PLANT:

Significant events for the month of September 2020 in the Treatment Plant Department:

Plant Operations:

- For September 2020, the plant's influent flow was 159.65 MG as compared to last year flow for September 2019 of 181.2 MG
- There was 0.01" rainfall for September 2020 (Carneros Rainfall Center) as compared to 0.00" rainfall for September 2019.
- Pond 4 end of the month recorded level reading was 36.15".

Power Consumption and Production:

- September power purchased from PG&E was 421 MWH in comparison to September 2019 purchase of 431 MWH.
- Cogeneration unit ran 709 of 720 hours for the month – 98.47% uptime, averaging 302.76 Kw, producing 229 MWH of energy.
- Solar generation in September was 124 MWH, compared to 173 MWH in August and 171 MWH in September 2019.

Maintenance:

Significant events for the month of September 2020:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Replaced Primary Clarifier #2 drain valve
- Aeration Basin #4/replaced RAS Pump #1
- Ferric Pump #1/replaced suction check ball and seat
- S7-400 PLC's/replaced batteries
- Replaced Riverpark and Stonecrest generator batteries
- PLC2 RIO2 drop 4/replaced DI module

Projects

- Up-graded lighting to LED in Solids Handling stairwell

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 (EFF-001) discharge during the reporting period.

Influent (INF-001) Summary

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

- September, 2020: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for September 2020 include:

- Recycled water delivered for the month of September 2020 was (109.626 million gallons), as compared to September 2019 (122.363 million gallons) is lower from the previous year due to district irrigation. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued with the land application of biosolids at the Jameson Reuse site.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for September 2020 include:

- In coordination with the City of Napa, Napa County, the Sheriff's office, and Kaiser, staff have been working to plan the yearly drug takeback event. NapaSan is sponsoring the event and helping to promote it. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 22,118.2 pounds.
- Outreach continues to residents regarding the Summer 2020 Collection System Rehabilitation Project. Weekly email and text notifications were sent to all residents on the project mailing list. Weekly website updates were also made to alert residents to construction project updates.
- Staff also conducted outreach regarding the Browns Valley Trunk Project. Staff sent two different letters to the entire project alignment at the end of September. Letters were also sent to Spruce Street residents regarding the start of pipeline installation. Weekly email and text updates as well as weekly website updates were conducted to keep residents up to date regarding construction activities. Staff also worked with City of Napa staff to share construction locations and our updates were shared in the City of Napa e-newsletter.
- Staff created the Fall 2020 Pipeline newsletter to be mailed the first week of October.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Division for September 2020 include:

- Consultants and staff continued work on the CMMS implementation.
- Contractor continued working on the Pond Biosolids Removal and Reuse Project.
- 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.
- Staff continued design of the 2021 Collection System Rehabilitation Project.
- Consultant continued design of the 66-inch Trunk Sewer Rehabilitation Project.
- Consultant continued design of the Pond Levee Maintenance Project
- Staff managed bid period and opened bids for the Sanitary Sewer Manhole Adjustment Project, Phase X
- Consultant began design of the 2021 Treatment Plant Improvements Project
- Contractor continued construction of the Primary Clarifier and DAF Clarifier Rehabilitation Project.
- Consultant continued work on the SWRF Buried Metallic Piping Condition Assessment Project.

- Consultant continued working on the Collection System Master Plan.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 35 sets of development plans and deemed 18 sets of plans complete. The approved plans consisted of 10 residential dwellings, 4 tenant improvements, 1 commercial building, 1 commercial lateral, and 1 residential lateral, and 1 recycled water lateral.

Budget Status & Cash Summary - July 1, 2020 - September 30, 2020 (25.0% of the year)

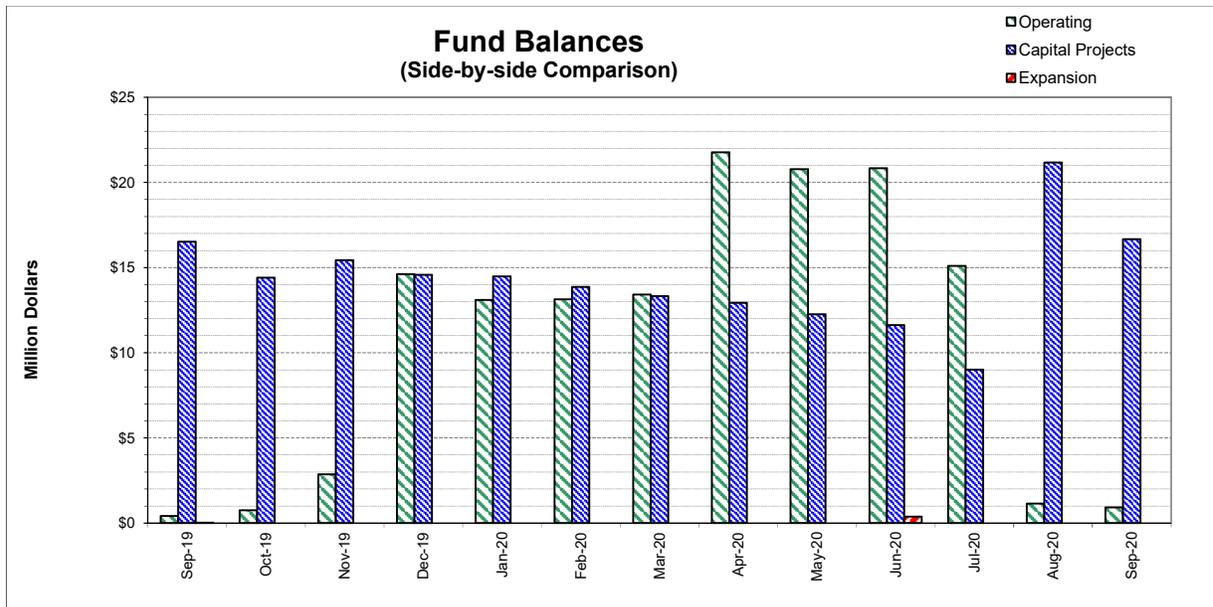
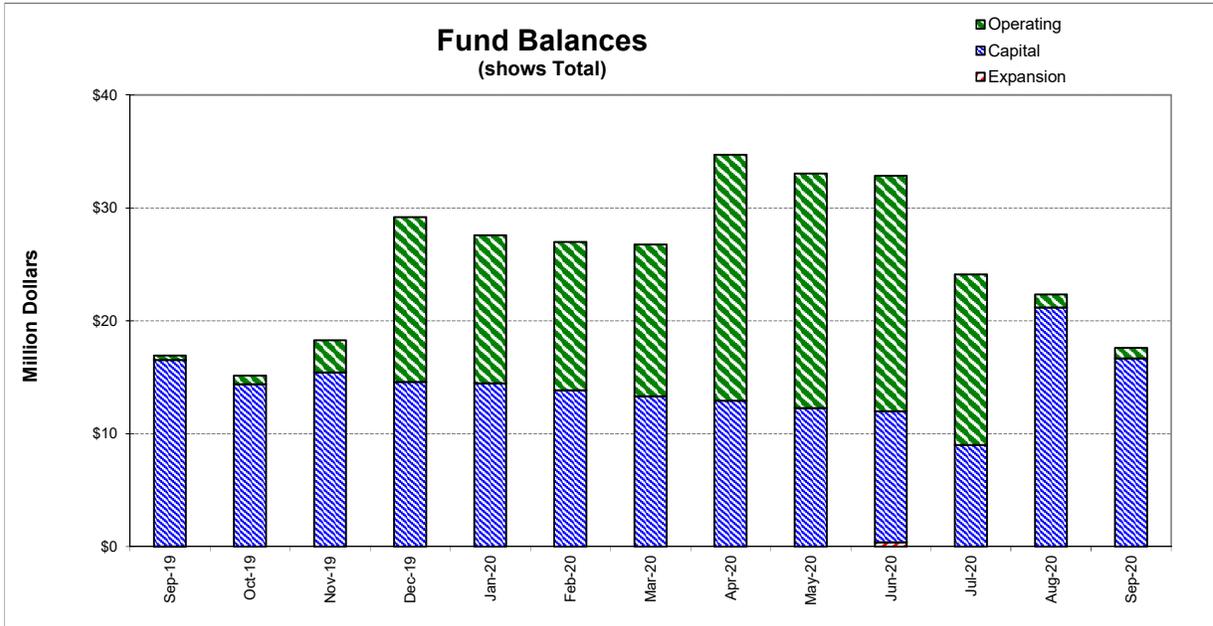
| <i>Expenditures</i> | FY 20/21 Budget | Encumbrances | Expenditures to date | Committed to date | Remaining Balance | Percent Committed |
|----------------------------------|---------------------|---------------------|-------------------------|----------------------|----------------------------------|----------------------|
| Operating | | | | | | |
| Salaries & Benefits | \$9,590,300 | \$7,825 | \$1,790,584 | \$1,798,409 | \$7,791,891 | 18.8% |
| Services & Supplies | 6,428,900 | 1,372,502 | 1,368,804 | 2,741,307 | 3,687,593 | 42.6% |
| Taxes | 42,400 | - | - | - | 42,400 | 0.0% |
| Debt Service | 4,588,000 | - | 3,728,888 | 3,728,888 | 859,113 ^① | 81.3% |
| Intrafund Transfers | 9,000,000 | - | - | - | 9,000,000 | 0.0% |
| Total Operating: | \$29,649,600 | \$1,380,327 | \$6,888,276 | \$8,268,603 | \$21,380,997 ^② | 27.9% |
| Capital | | | | | | |
| Bldgs/Improvements & Equip | \$65,903,450 | \$31,775,969 | \$5,873,790 | \$37,649,759 | \$28,253,691 ^③ | 57.1% |
| Intrafund Transfers | 1,992,000 | - | 588,360 | 588,360 | 1,403,640 | 29.5% |
| Total Capital : | \$67,895,450 | \$31,775,969 | \$6,462,150 | \$38,238,119 | \$29,657,331 | 56.3% |
| Grand Total Expenditures: | \$97,545,050 | \$33,156,296 | \$13,350,426 | \$46,506,722 | \$51,038,328 | 47.7% |

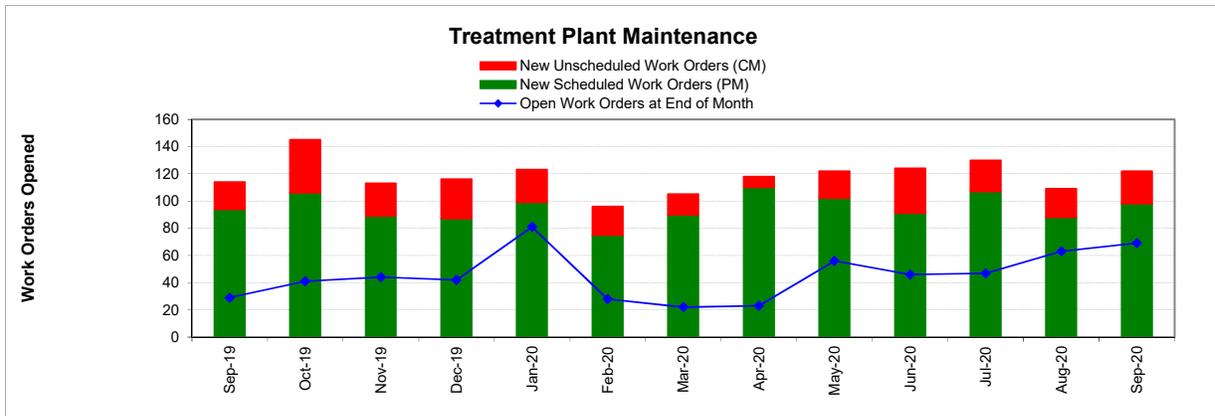
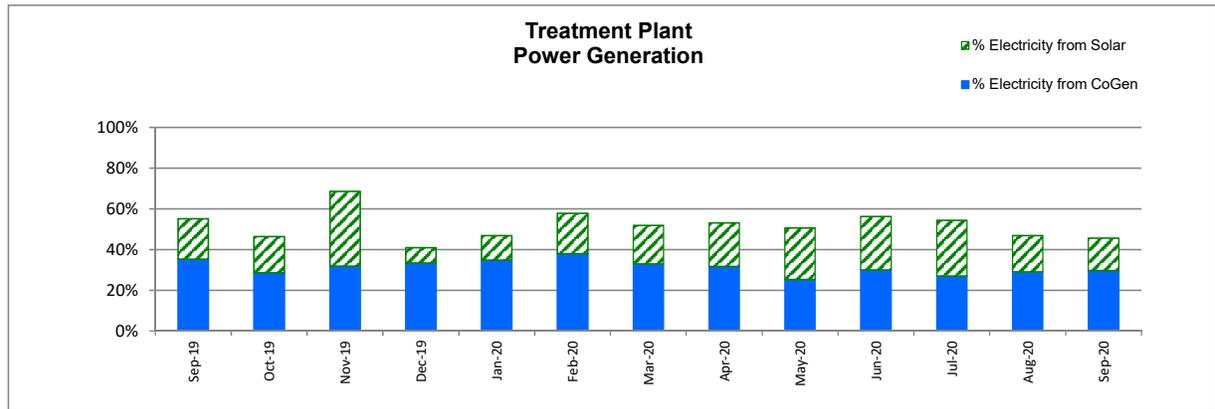
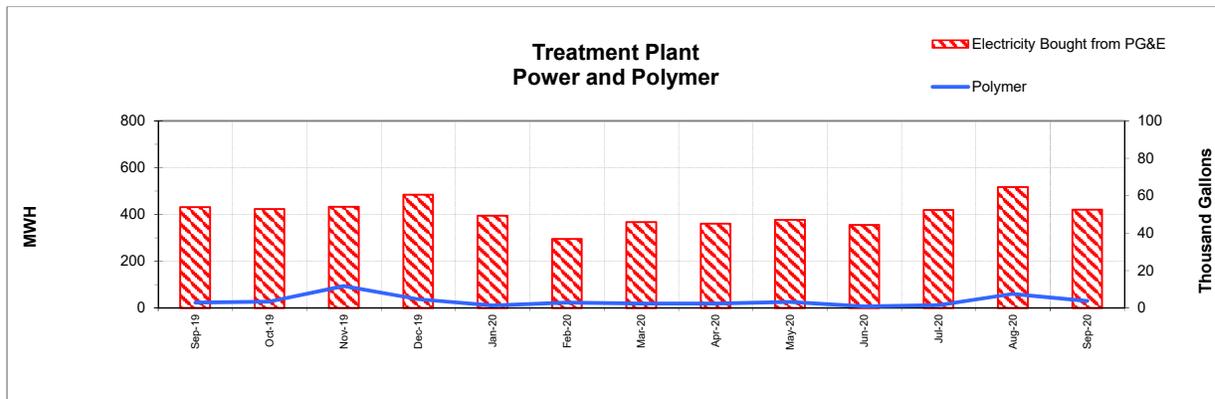
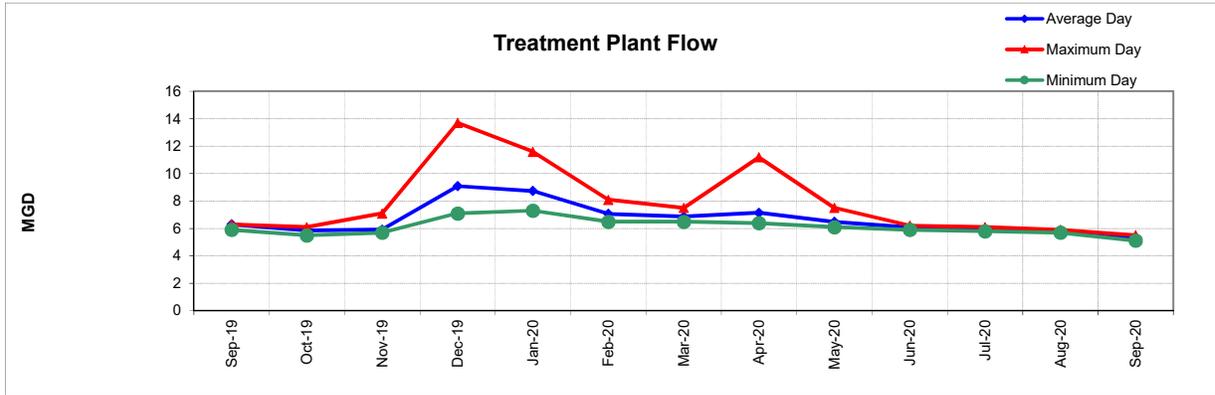
| <i>Revenues</i> | FY 20/21 Budget | Encumbrances | Revenues to date | Revenues posted to date | Unposted Revenue | Percent Posted |
|---|---------------------|--------------|---------------------|----------------------------|------------------------|-------------------|
| Operating | | | | | | |
| Use of Money/Property | \$578,000 | | \$122,701 | \$122,701 | \$455,299 | 21.2% |
| Charges for Services | 31,213,500 | | 1,948,599 | 1,948,599 | 29,264,901 | 6.2% |
| Miscellaneous Revenues | 60,000 | | 6,210 | 6,210 | 53,790 | 10.4% |
| Donations/Contributions (Capital Labor) | - | | 243,429 | 243,429 | (243,429) ^④ | N/A |
| Total Operating: | \$31,851,500 | | \$2,320,939 | \$2,320,939 | \$29,530,561 | 7.3% |
| Capital | | | | | | |
| Use of Money/Property | \$0 | | \$605 | \$605 | (\$605) | N/A |
| Capacity Charges | 5,178,000 | | 189,046 | 189,046 | 4,988,954 | 3.7% |
| Bond/Loan Proceeds | 15,416,600 | | - | - | 15,416,600 | 0.0% |
| Sale of Assets | 25,000 | | - | - | 25,000 | 0.0% |
| Miscellaneous Revenues | 5,000 | | - | - | 5,000 | 0.0% |
| Intrafund Transfers | 14,078,000 | | 588,360 | 588,360 | 13,489,640 | 4.2% |
| Total Capital: | \$34,702,600 | | \$778,012 | \$778,012 | \$33,924,588 | 2.2% |
| Grand Total Revenue: | \$66,554,100 | | \$3,098,950 | \$3,098,950 | \$63,455,150 | 4.7% |

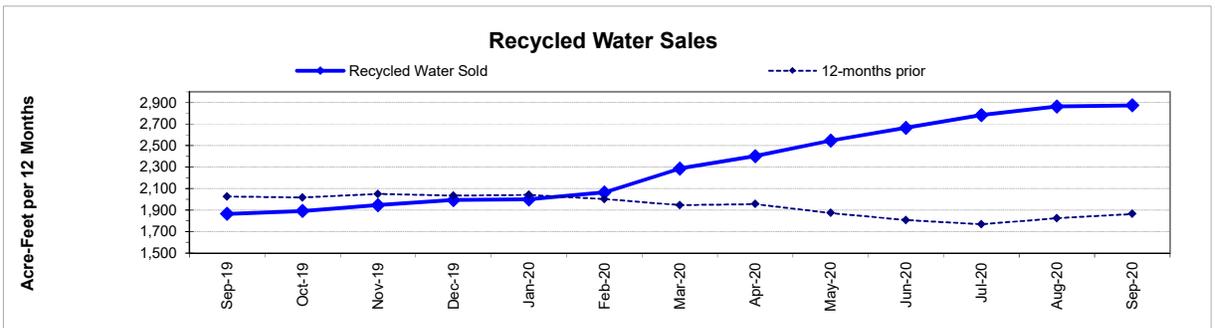
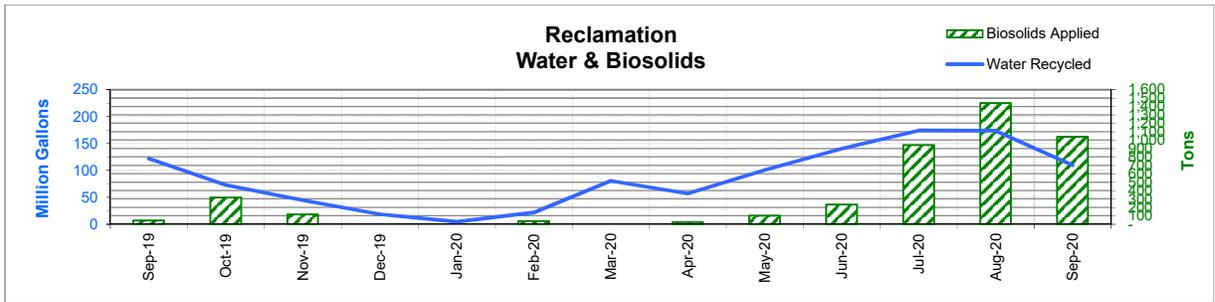
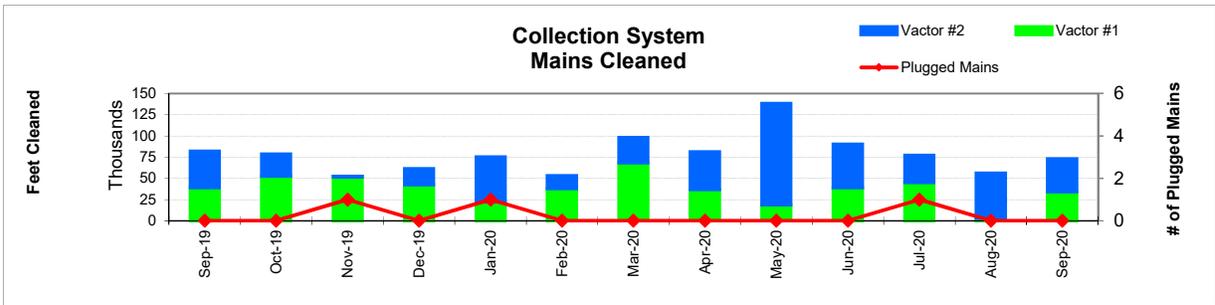
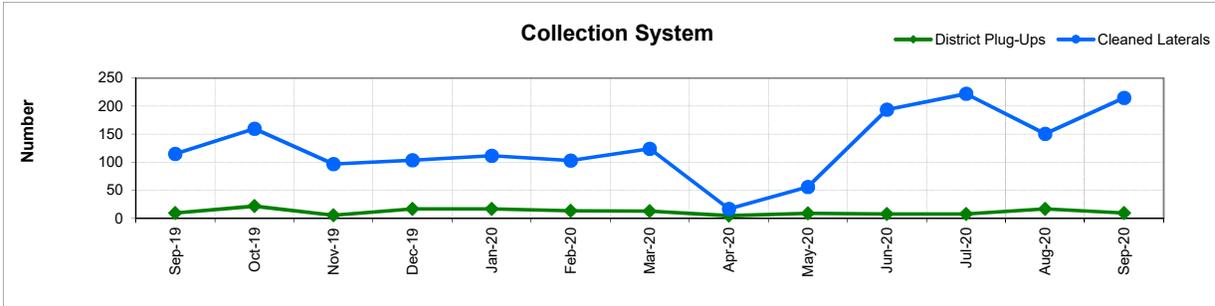
Cash on Hand as of 9/30/20 **\$17,597,513**

**excluding Debt Service restricted funds
9/30/20 -Effective Rate of Return = 1.47%

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 28.3%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)







FUND BALANCES - MONTHLY

| CATEGORY | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <i>(Thousand Dollars)</i> | | | | | | | | | | | | | |
| 7800 | 415 | 753 | 2,858 | 14,616 | 13,107 | 13,136 | 13,427 | 21,767 | 20,787 | 20,841 | 15,104 | 1,143 | 924 |
| 7850 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal Operating | 415 | 753 | 2,858 | 14,616 | 13,107 | 13,136 | 13,427 | 21,767 | 20,787 | 20,841 | 15,104 | 1,143 | 924 |
| Capital Improvement Projects | 16,516 | 14,400 | 15,430 | 14,579 | 14,477 | 13,860 | 13,326 | 12,924 | 12,268 | 11,626 | 9,009 | 21,179 | 16,674 |
| Debt Proceeds | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal Capital | 16,516 | 14,400 | 15,430 | 14,579 | 14,477 | 13,860 | 13,326 | 12,924 | 12,268 | 11,626 | 9,009 | 21,179 | 16,674 |
| Total Discretionary Funds | 16,931 | 15,153 | 18,288 | 29,195 | 27,584 | 26,996 | 26,753 | 34,691 | 33,055 | 32,467 | 24,113 | 22,322 | 17,598 |
| Expansion Fund (Restricted) | 2 | - | - | - | - | - | - | - | - | 378 | - | - | - |
| Total Restricted Funds | 2 | - | 378 | - | - | - |
| TOTAL ALL FUNDS | 16,933 | 15,153 | 18,288 | 29,195 | 27,584 | 26,996 | 26,753 | 34,691 | 33,055 | 32,845 | 24,113 | 22,322 | 17,598 |

DEVELOPMENT WORKLOAD - MONTHLY

| CATEGORY | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <u>Phone Requests</u> | | | | | | | | | | | | | |
| Maps/Drawings | 4 | - | 11 | 4 | 6 | 5 | 2 | 3 | 1 | 7 | 1 | 4 | 2 |
| Lateral Permits | - | - | - | - | - | - | - | - | - | - | - | - | 0 |
| Policy Questions | 4 | 2 | 2 | - | 2 | 5 | 5 | - | - | 3 | 3 | 1 | 3 |
| Development Questions | 38 | 32 | 40 | 29 | 32 | 38 | 29 | 24 | 36 | 45 | 31 | 48 | 45 |
| Miscellaneous | 18 | 29 | 13 | 24 | 10 | 12 | 8 | 5 | 6 | 7 | 6 | 13 | 14 |
| TOTAL | 64 | 63 | 66 | 57 | 50 | 60 | 44 | 32 | 43 | 62 | 41 | 66 | 64 |
| <u>Counter Requests</u> | | | | | | | | | | | | | |
| Maps/Drawings | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Lateral Permits | 13 | 7 | 7 | 8 | 5 | 19 | 20 | 7 | 10 | 10 | 15 | 8 | - |
| Policy Questions | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - |
| Development Questions | 13 | 4 | 7 | 7 | 4 | 2 | 2 | - | - | - | 2 | - | 0 |
| Miscellaneous | 0 | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - |
| TOTAL | 26 | 12 | 15 | 15 | 10 | 22 | 24 | 7 | 10 | 10 | 17 | 8 | - |
| <u>Initial Request (Referrals)</u> | 13 | 13 | 11 | 9 | 9 | 13 | 8 | 7 | 4 | 8 | 6 | 17 | 10 |
| <u>Connection Permits Issued</u> | | | | | | | | | | | | | |
| Residential Permits | 2 | 5 | 3 | 0 | 9 | 22 | 6 | 6 | 14 | 10 | 6 | 6 | 10 |
| Commercial Permits | 2 | 1 | 3 | 1 | 1 | - | 2 | 1 | - | 1 | 6 | 1 | 1 |
| Industrial Permits | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL PERMITS | 4 | 6 | 6 | 1 | 10 | 22 | 8 | 7 | 14 | 11 | 12 | 7 | 11 |
| Residential Units | 2 | 22 | 5 | 0 | 11 | 13 | 6 | 56 | 20 | 16 | 6 | 5 | 10 |
| Commercial Units | 2 | 1 | 133 | 1 | 1 | - | 2 | 1 | - | 20 | 6 | 1 | 1 |
| TOTAL UNITS | 4 | 23 | 138 | 1 | 12 | 13 | 8 | 57 | 20 | 36 | 12 | 6 | 11 |
| <u>Annexations</u> | | | | | | | | | | | | | |
| Submitted | - | 1 | - | - | - | - | - | 1 | - | - | 2 | - | - |
| Acreage | - | 44.84 | - | - | - | - | - | 0.50 | - | - | 18.2 | - | - |
| <u>Plans Reviewed</u> | | | | | | | | | | | | | |
| <u>Subdivisions/Sites</u> | | | | | | | | | | | | | |
| First Submittal | 8 | 5 | 8 | 24 | 12 | 5 | 12 | 7 | 13 | 12 | 12 | 9 | 8 |
| Second Submittal | 2 | 2 | 6 | 6 | 12 | 7 | 4 | 8 | 9 | 10 | 11 | 4 | 10 |
| Third Submittal | 3 | 7 | 3 | 6 | 4 | 5 | 3 | 2 | 4 | 8 | 4 | 6 | 8 |
| <u>Building/Tenant Improvements</u> | | | | | | | | | | | | | |
| First Submittal | 6 | 13 | 4 | 3 | 12 | 9 | 9 | 5 | 4 | 9 | 5 | 9 | 2 |
| Second Submittal | 4 | 5 | 1 | 4 | 3 | 2 | 6 | 4 | 2 | 10 | 4 | 5 | 4 |
| Third Submittal | 3 | 7 | 5 | 3 | 1 | 2 | 5 | 3 | 7 | 8 | 1 | 5 | 3 |
| <u>Miscellaneous Plan Reviews</u> | | | | | | | | | | | | | |
| TOTAL PLANS REVIEWED | 26 | 39 | 27 | 46 | 44 | 30 | 39 | 29 | 39 | 57 | 37 | 38 | 35 |

INSPECTION WORKLOAD - MONTHLY

| CATEGORY | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <u>CONSTRUCTION</u> | | | | | | | | | | | | | |
| Locating Sewers | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Permit Processing | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Preconstruction Meetings | 4 | 6 | 1 | 2 | 4 | 4 | 3 | 3 | - | - | 1 | 2 | 2 |
| Inspections - Mains | 11 | - | 1 | - | - | - | - | - | 6 | 5 | 2 | - | - |
| Inspections - Manholes | 77 | 1 | 6 | 3 | 9 | 16 | 37 | - | 6 | - | 6 | 6 | 6 |
| Inspections - Laterals | 5 | 12 | 22 | 10 | 15 | 8 | 13 | 48 | 32 | 9 | 12 | 12 | 8 |
| Inspections - Cleanouts | 7 | 54 | 33 | 44 | 26 | 32 | 35 | 90 | 4 | 2 | 3 | 5 | 11 |
| Inspections - Review Video | 2 | - | 1 | - | 1 | 2 | 4 | 2 | - | 2 | 2 | 3 | 2 |
| Demo - Septic Tanks | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Demo - Buildings | - | - | - | - | - | - | - | - | - | - | - | 1 | - |
| Update Record Drawings | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL | 106 | 73 | 64 | 59 | 55 | 62 | 92 | 143 | 48 | 18 | 26 | 29 | 29 |
| <u>MISCELLANEOUS</u> | | | | | | | | | | | | | |
| Meter Readings | - | - | - | - | 59 | 1 | - | 4 | - | - | - | - | - |
| Washdown Facility Inspections | - | - | - | - | - | - | - | - | - | - | - | - | - |
| General Customer Assistance | 31 | 12 | 12 | - | 6 | 9 | 15 | 14 | 24 | 30 | 26 | 46 | 35 |
| City of Napa Water Discharge | - | - | - | - | - | - | - | - | - | - | - | - | - |
| TOTAL | 31 | 12 | 12 | - | 65 | 10 | 15 | 18 | 24 | 30 | 26 | 46 | 35 |
| <u>SPECIAL PROJECTS</u> | 35 | 23 | 19 | 30 | 10 | 0 | 11 | 26 | 23 | 22 | 23 | 21 | 21 |

RECYCLED WATER DELIVERIES - MONTHLY

| | Acres | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|--------------------------|----------------|----------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| MONTHLY (MG) | | | | | | | | | | | | | | |
| Water Sold | | | | | | | | | | | | | | |
| Golf Courses | 638.0 | 49.784 | 31.724 | 16.340 | 0.007 | 0.001 | 12.483 | 20.366 | 24.765 | 52.367 | 75.187 | 74.385 | 62.144 | 45.656 |
| Cemeteries | 57.1 | 4.822 | 4.061 | 3.028 | 0.250 | 0.222 | 0.514 | 3.078 | 3.422 | 3.965 | 4.958 | 5.192 | 5.091 | 4.257 |
| Parks | 18.5 | 1.111 | 0.615 | 0.028 | - | - | - | 0.001 | - | 0.271 | 1.188 | 1.670 | 1.142 | 0.691 |
| Schools | 12.6 | 1.635 | 1.312 | 0.792 | 0.085 | 0.044 | 0.157 | 0.685 | 0.716 | 2.146 | 2.341 | 2.926 | 2.583 | 1.995 |
| Commerical | 166.5 | 15.824 | 13.499 | 11.799 | 2.254 | 0.986 | 3.206 | 9.845 | 9.241 | 13.725 | 15.874 | 20.068 | 18.844 | 14.144 |
| Vineyards | 3,442.0 | 27.367 | 13.852 | 7.027 | 15.494 | 3.170 | 5.250 | 46.305 | 17.728 | 19.191 | 24.276 | 51.661 | 68.013 | 36.009 |
| Trucked Water | 175.0 | 1.425 | 1.401 | 1.097 | 0.476 | 0.227 | 0.134 | 0.415 | 1.147 | 3.612 | 3.079 | 1.988 | 3.988 | 2.748 |
| Subtotal Sales | 4,509.6 | 101.969 | 66.465 | 40.111 | 18.567 | 4.650 | 21.745 | 80.694 | 57.018 | 95.277 | 126.903 | 157.889 | 161.805 | 105.500 |
| District Use | | | | | | | | | | | | | | |
| Jameson | 330.0 | - | - | - | - | 0.024 | - | - | - | - | - | 1.479 | 1.146 | 1.271 |
| Somky | 213.0 | 20.394 | 6.391 | 4.513 | - | 0.006 | 0.050 | 0.026 | 0.080 | 5.408 | 13.369 | 14.836 | 10.491 | 2.855 |
| Fagundes/Airport | 50.5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal District | 593.5 | 20.394 | 6.391 | 4.513 | - | 0.030 | 0.050 | 0.026 | 0.080 | 5.408 | 13.369 | 16.315 | 11.638 | 4.126 |
| TOTAL DELIVERED | 5,103.1 | 122.363 | 72.856 | 44.624 | 18.567 | 4.681 | 21.795 | 80.720 | 57.098 | 100.686 | 140.271 | 174.204 | 173.443 | 109.626 |
| ANNUAL (AF) | | | | | | | | | | | | | | |
| Water Sold | | | | | | | | | | | | | | |
| Golf Courses | 638.0 | 939 | 963 | 1,003 | 1,003 | 1,003 | 1,042 | 1,104 | 1,151 | 1,232 | 1,283 | 1,297 | 1,288 | 1,275 |
| Cemeteries | 57.1 | 99 | 102 | 102 | 101 | 100 | 102 | 110 | 116 | 117 | 121 | 120 | 118 | 117 |
| Parks | 18.5 | 16 | 17 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 19 | 18 | 17 |
| Schools | 12.6 | 33 | 33 | 33 | 33 | 33 | 33 | 35 | 37 | 40 | 42 | 45 | 47 | 48 |
| Commerical | 166.5 | 343 | 324 | 337 | 338 | 337 | 345 | 373 | 386 | 396 | 407 | 412 | 415 | 410 |
| Vineyards | 3,442.0 | 418 | 431 | 431 | 477 | 486 | 500 | 621 | 665 | 705 | 748 | 842 | 919 | 945 |
| Trucked Water | 175.0 | 18 | 22 | 24 | 25 | 26 | 26 | 27 | 31 | 40 | 48 | 50 | 58 | 62 |
| Subtotal Sales | 4,509.6 | 1,865 | 1,891 | 1,945 | 1,993 | 2,001 | 2,064 | 2,286 | 2,401 | 2,546 | 2,666 | 2,785 | 2,864 | 2,874 |
| District Use | | | | | | | | | | | | | | |
| Jameson | 330.0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 8 | 12 |
| Somky | 213.0 | 276 | 259 | 272 | 272 | 272 | 273 | 273 | 273 | 282 | 286 | 279 | 232 | 178 |
| Fagundes/Airport | 50.5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal District | 593.5 | 277 | 260 | 274 | 274 | 274 | 274 | 274 | 274 | 283 | 288 | 285 | 240 | 190 |
| TOTAL DELIVERED | 5,103.1 | 2,142 | 2,151 | 2,219 | 2,267 | 2,274 | 2,338 | 2,561 | 2,675 | 2,830 | 2,953 | 3,070 | 3,104 | 3,064 |

BIOSOLIDS HANDLING - MONTHLY

| Site | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <u>Land Applied by NSD</u> | | | | | | | | | | | | | |
| Somky | | | | | | | | | | | | | |
| Fagundes | 44 | | | | | | | | | | | | |
| Jameson Canyon | | 316 | 117 | - | - | 37 | - | 26 | 103 | 234 | 49 | 165 | 201 |
| Subtotal by NSD | 44 | 316 | 117 | - | - | 37 | - | 26 | 103 | 234 | 49 | 165 | 201 |
| <u>Land Applied by Contractor</u> | | | | | | | | | | | | | |
| Somky | | | | | | | | | | | 893 | 1,274 | 837 |
| Fagundes | | | | | | | | | | | | | |
| Jameson Canyon | | | | | | | | | | | | | |
| Subtotal by Contractor | - | 893 | 1,274 | 837 |
| Total Land Applied | 44 | 316 | 117 | - | - | 37 | - | 26 | 103 | 234 | 942 | 1,440 | 1,038 |
| Off Site (Contractor) | | | | | | | | | | | | | |
| Total (tons) | 44 | 316 | 117 | - | - | 37 | - | 26 | 103 | 234 | 942 | 1,440 | 1,038 |

COLLECTION SYSTEM MAINTENANCE - MONTHLY

| CATEGORY | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|
| <u>Plugups</u> | | | | | | | | | | | | | |
| Total Calls | 45 | 68 | 38 | 60 | 68 | 39 | 35 | 31 | 37 | 34 | 23 | 47 | 29 |
| Business Hours | 36 | 51 | 28 | 37 | 42 | 25 | 22 | 23 | 25 | 25 | 17 | 28 | 19 |
| After Hours | 9 | 17 | 10 | 23 | 22 | 14 | 13 | 8 | 12 | 9 | 6 | 19 | 10 |
| District's | 10 | 22 | 6 | 17 | 17 | 14 | 13 | 5 | 9 | 8 | 8 | 17 | 10 |
| Property Owner's | 32 | 43 | 32 | 42 | 46 | 24 | 22 | 26 | 28 | 26 | 15 | 30 | 19 |
| Plugged Main Lines | - | - | 1 | - | 1 | - | - | - | - | - | 1 | - | - |
| Run Lateral w/Eel | 115 | 160 | 97 | 104 | 112 | 103 | 124 | 17 | 56 | 194 | 222 | 151 | 215 |
| <u>Cleaning (feet of sewer)</u> | | | | | | | | | | | | | |
| Vactor #1 | 38,969 | 52,711 | 51,764 | 42,519 | 22,372 | 37,916 | 68,243 | 36,849 | 18,947 | 39,019 | 45,066 | 2,936 | 34,338 |
| Vactor #2 | 43,059 | 25,762 | 610 | 18,811 | 52,620 | 15,049 | 29,691 | 44,336 | 119,112 | 50,948 | 31,916 | 53,184 | 38,654 |
| Hydro | | | | | | | | | 42,241 | - | - | - | - |
| Rodder | | | | 558 | - | - | | 2,915 | - | - | - | 694 | - |
| Total (feet) | 82,028 | 78,473 | 52,374 | 61,888 | 74,993 | 52,965 | 97,933 | 84,100 | 180,301 | 89,967 | 76,982 | 56,814 | 72,992 |
| <u>Cleaning Days</u> | | | | | | | | | | | | | |
| Vactor #1 | 18 | 20 | 18 | 17 | 10 | 15 | 16 | 10 | 9 | 17 | 17 | 3 | 10 |
| Vactor #2 | 15 | 8 | 1 | 10 | 16 | 5 | 8 | 11 | 17 | 16 | 11 | 17 | 11 |
| Hydro | | | | | | | | | 4 | - | - | - | - |
| Rodder | | | | 2 | | | | 2 | | - | - | 1 | - |
| Feet/day | 2,500 | 2,800 | 2,750 | 2,150 | 2,900 | 2,650 | 4,100 | 3,650 | 6,000 | 2,750 | 2,750 | 2,700 | 3,500 |
| Vactor #1 | 2,150 | 2,650 | 2,900 | 2,500 | 2,250 | 2,550 | 4,250 | 3,700 | 2,100 | 2,300 | 2,650 | 1,000 | 3,450 |
| Vactor #2 | 2,850 | 3,200 | 600 | 1,900 | 3,300 | 3,000 | 3,700 | 4,050 | 7,000 | 3,200 | 2,900 | 3,150 | 3,500 |
| Hydro | | | | | | | | | 10,550 | | | | |
| Rodder | | | | 300 | | | - | 1,450 | | | | 700 | |
| <u>Video Inspections</u> | | | | | | | | | | | | | |
| Mains (feet) | 22,837 | 17,404 | 10,825 | - | 13,832 | 30,961 | 26,158 | 6,798 | 27,649 | 16,016 | 24,214 | 22,515 | 19,796 |
| Laterals (each) | 190 | 247 | 165 | 182 | 188 | 180 | 206 | 75 | 109 | 239 | 270 | 210 | 259 |
| <u>Construction (each)</u> | | | | | | | | | | | | | |
| Cleanouts | 15 | 20 | 10 | 4 | 8 | 15 | 15 | 1 | 3 | 12 | 9 | 15 | 26 |
| Laterals | 16 | 10 | 9 | 10 | 10 | 8 | 4 | - | 4 | 19 | 6 | 25 | 23 |
| Mains | | - | | - | 1 | - | - | - | - | - | - | - | 1 |
| Manholes | | 2 | | - | | - | 5 | - | - | - | 1 | - | - |
| Other | | | | | | | - | - | - | - | - | - | - |
| <u>USA Markings</u> | | | | | | | | | | | | | |
| Regular (w/in 2 days) | 331 | 332 | 224 | 290 | 271 | 423 | 232 | 258 | 260 | 284 | 278 | 297 | 281 |
| Emergency (w/in 2 hours) | 23 | 21 | 7 | 21 | 22 | 9 | 11 | 36 | 14 | 13 | 10 | 18 | 12 |

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

| CATEGORY | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 |
|---------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <u>Scheduled</u> | | | | | | | | | | | | | |
| Old | 7 | 8 | 17 | 24 | 23 | 49 | 5 | 6 | 9 | 39 | 25 | 26 | 40 |
| New | 94 | 106 | 89 | 87 | 99 | 75 | 90 | 110 | 102 | 91 | 107 | 88 | 98 |
| Completed | 93 | 97 | 82 | 88 | 73 | 119 | 89 | 107 | 72 | 105 | 106 | 74 | 99 |
| New Balance | 8 | 17 | 24 | 23 | 49 | 5 | 6 | 9 | 39 | 25 | 26 | 40 | 39 |
| <u>Unscheduled</u> | | | | | | | | | | | | | |
| Old | 21 | 21 | 24 | 20 | 19 | 32 | 23 | 16 | 14 | 17 | 21 | 21 | 23 |
| New | 20 | 39 | 24 | 29 | 24 | 21 | 15 | 8 | 20 | 33 | 23 | 21 | 24 |
| Completed | 20 | 36 | 28 | 30 | 11 | 30 | 22 | 10 | 17 | 29 | 23 | 19 | 17 |
| New Balance | 21 | 24 | 20 | 19 | 32 | 23 | 16 | 14 | 17 | 21 | 21 | 23 | 30 |
| <u>Total Work Orders</u> | | | | | | | | | | | | | |
| Old | 28 | 29 | 41 | 44 | 42 | 81 | 28 | 22 | 23 | 56 | 46 | 47 | 63 |
| New | 114 | 145 | 113 | 116 | 123 | 96 | 105 | 118 | 122 | 124 | 130 | 109 | 122 |
| Completed | 113 | 133 | 110 | 116 | 84 | 149 | 112 | 118 | 90 | 135 | 130 | 93 | 116 |
| New Balance | 29 | 41 | 44 | 42 | 81 | 28 | 22 | 23 | 56 | 46 | 47 | 63 | 69 |
| <u>LAB ANALYSES</u> | | | | | | | | | | | | | |
| Sample Type | | | | | | | | | | | | | |
| Regulatory | 142 | 147 | 240 | 176 | 157 | 192 | 213 | 237 | 140 | 172 | 220 | 189 | 141 |
| Process Control | 818 | 893 | 1,010 | 1,072 | 1,208 | 1,039 | 1,058 | 1,015 | 708 | 815 | 776 | 772 | 700 |
| Special Request | 26 | 46 | 38 | 16 | - | 32 | 16 | 12 | 20 | 140 | 38 | 51 | 31 |
| Quality Control/Assurance | 607 | 774 | 957 | 839 | 923 | 1,324 | 1,043 | 1,058 | 595 | 622 | 661 | 674 | 577 |
| TOTAL | 1,593 | 1,860 | 2,245 | 2,103 | 2,288 | 2,587 | 2,330 | 2,322 | 1,463 | 1,749 | 1,695 | 1,686 | 1,449 |

**Summary of NSD Capital Project Status
through 09-30-20**

| 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 | - | 859 | 61,241 | 1% |
| 13702 | Manhole Raising/Rehab | 250,000 | | | 250,000 | - | 3,851 | 246,149 | 2% |
| 13703 | Lateral Replacement/Rehab | 113,900 | | | 113,900 | - | 34,260 | 79,640 | 30% |
| 13704 | Cleanouts Installation/Rehab | 110,700 | | (12,000) | 98,700 | - | 19,162 | 79,538 | 19% |
| 13705 | I&I Reduction Program | 30,000 | 210,500 | | 240,500 | - | 93 | 240,407 | 0% |
| 14703 | Browns Valley Rd & First St | 14,000,000 | 5,733,950 | | 19,733,950 | 15,843,015 | 2,219,094 | 1,671,842 | 11% |
| 18702 | Coll Sys Asset Mgmt Software | - | 216,600 | | 216,600 | 160,556 | 60,359 | (4,315) | 28% |
| 19701 | 66-inch Trunk Rehab | 11,000,000 | 4,086,550 | | 15,086,550 | 268,429 | 8,643 | 14,809,479 | 0% |
| 19703 | Sewer System I&I 2020 | 3,850,000 | 2,341,400 | | 6,191,400 | 4,852,056 | 910,466 | 428,879 | 15% |
| 19727 | Coll Sys Master Plan | - | 100,000 | | 100,000 | - | 1,578 | 98,422 | 2% |
| 20702 | Manhole Rehabilitation | 250,000 | | | 250,000 | 39,230 | - | 210,770 | - |
| 20703 | 2021 Collection System Rehab | 3,410,000 | 16,550 | | 3,426,550 | 61,850 | 10,912 | 3,353,788 | 0% |
| 21701 | 2022 Collection System Rehab | 20,000 | | | 20,000 | - | - | 20,000 | - |
| 21718 | NN Siphon Gate Replacement | - | - | 25,000 | 25,000 | - | - | 25,000 | - |
| <u>COLLECTION SYSTEM - EQUIPMENT</u> | | | | | | | | | |
| 21702 | Pickup-mounted Camera Sys | 65,000 | | 12,000 | 77,000 | - | - | 77,000 | - |
| <u>COLLECTION SYSTEM - LIFT STATIONS</u> | | | | | | | | | |
| 17711 | West Napa PS - Rehab | 5,500,000 | 4,546,450 | | 10,046,450 | 7,798,809 | 798,377 | 1,449,265 | 8% |
| 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 | 782,832 | 1,100,025 | 60,893 | 57% |
| 18740 | Treatment Plant Project 2019 | - | 64,850 | | 64,850 | 49,604 | 396 | 14,850 | 1% |
| 20706 | WWTP Master Plan | 1,235,400 | 950 | | 1,236,350 | 693,518 | 9,586 | 533,246 | 1% |
| 20707 | Pond Levee Repair | 700,000 | 9,150 | | 709,150 | 158,317 | 55,536 | 495,298 | 8% |
| 20708 | 2020 Treatment Plant Imprvmnts | - | 1,407,600 | | 1,407,600 | 162,240 | 26,167 | 1,219,193 | 2% |
| <u>TREATMENT - EQUIPMENT</u> | | | | | | | | | |
| 13735 | Dual Fuel Boiler Burner | - | 55,750 | | 55,750 | 32,908 | - | 22,843 | - |

**Summary of NSD Capital Project Status
through 09-30-20**

| 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 | 496,533 | 438,836 | 294,831 | 36% |
| 17726 | Headworks Equip Rehab/Rplcmnt | - | 240,700 | | 240,700 | 86,476 | 17,993 | 136,231 | 7% |
| 18718 | Sec Clarifier Mech/Strct Rehab | 83,200 | | | 83,200 | - | - | 83,200 | - |
| 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 | 26,287 | 14,359 | 43,004 | 17% |
| 19715 | ARV Rplcmnt | - | 4,750 | | 4,750 | - | - | 4,750 | - |
| 20709 | AB Caustic Pumps & Enclosure | - | 68,600 | | 68,600 | 13,071 | 3,846 | 51,683 | 6% |
| 20710 | Septage Pump & Motor Rplcmnt | - | 4,950 | | 4,950 | - | 4,746 | 204 | 96% |
| 20711 | Marsh-to-Pond PS Upgrade | - | 87,550 | | 87,550 | - | 246 | 87,304 | 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 | 32,007 | 32,007 | 15,985 | 40% |
| 20716 | Plant Door Replacement PH 1 | - | 22,200 | | 22,200 | - | - | 22,200 | - |
| 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 | - | - | 101,800 | - |
| 21707 | Digester Roof Grating Rplcmnt | 110,900 | | | 110,900 | - | - | 110,900 | - |
| 21708 | Head works - Roof Replacement | 80,300 | | | 80,300 | - | - | 80,300 | - |
| 21709 | Plant Door Replacement - Ph 2 | 23,000 | | | 23,000 | - | - | 23,000 | - |
| 21710 | Veh 175 - F-150 | 31,000 | | | 31,000 | - | - | 31,000 | - |
| | <u>LAB - EQUIPMENT</u> | | | | | | | | |
| 21711 | Autoclave Rplcmnt | 34,400 | | | 34,400 | - | - | 34,400 | - |
| 21712 | Sampler 4700 Rplcmnt | 10,400 | | | 10,400 | - | - | 10,400 | - |
| | <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 | 225,000 | | | 225,000 | - | - | 225,000 | - |

**Summary of NSD Capital Project Status
through 09-30-20**

| 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 | 40,070 | 1,152 | 70,878 | 1% |
| 20721 | Kirkland RW Pipeline Rehab | - | 12,900 | | 12,900 | 95 | 6,848 | 5,956 | 53% |
| | RECYCLING - EQUIPMENT | | | | | | | | |
| 19722 | Veh 720/723 Attchmnts/Implmnts | 30,700 | | | 30,700 | - | - | 30,700 | - |
| 20722 | Badger Meter Replacement | - | 80,000 | | 80,000 | - | 707 | 79,293 | 1% |
| 21715 | Soscol Recycle Pump #2 Rehab | 160,700 | | | 160,700 | - | - | 160,700 | - |
| 21716 | Veh 174 - Ford F-350 SB | 75,700 | | | 75,700 | - | - | 75,700 | - |
| 21717 | Veh 723 - Water Trailer | 42,800 | | | 42,800 | - | - | 42,800 | - |
| | OTHER | | | | | | | | |
| 13729 | Development Technical Support | 348,800 | | | 348,800 | - | 63,735 | 285,065 | 18% |
| 19723 | AV Sys Rplcmnt - Conf Rms | - | 20,000 | 20,000 | 40,000 | - | - | 40,000 | - |
| | | | | | | | | | |
| | | \$43,246,800 | \$22,656,650 | - | \$65,903,450 | \$31,775,969 | \$5,873,790 | \$28,253,694 | 9% |