



**Napa Sanitation District**

**General Manager's Report**

**for**

**November 2021**

Contents:

- a. Transmittal Memo
- b. Budget Status and Cash Summary
- c. Key Information Graphs – Fund Balances, Treatment Plant and Collection
- d. Fund Balances
- e. Development Processing
- f. Construction Inspection
- g. Pollution Prevention
- h. Recycled Water Deliveries
- i. Biosolids Handling
- j. Collection System Maintenance
- k. Treatment Plant Operations
- l. Treatment Plant Maintenance & Laboratory
- m. Capital Project Expenditure Summary



**DATE:** January 12, 2022  
**FROM:** Timothy B. Healy, General Manager  
**SUBJECT:** General Manager’s Report for November 2021

**REGULATORY COMPLIANCE:**

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 2 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 – November 30, 2021
Percent Fiscal Year:	41.7%
Operating Expenditures to date:	36.4%
Historical Expenditures to date:	43.3%
Significant Comments:	Received \$6.3m in bond proceeds from Series 2021A COPs for reimbursement of costs for 66-inch Sewer Trunk Rehabilitation and 2022 Collection System Rehabilitation projects through September 2021.

**PERSONNEL:**

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

New Hires:	Nicholas Hunter - Safety, Training & Fleet Maintenance Officer
Separations:	None
Promotions:	Jorge Hernandez - promoted to Collection System Worker III
Recruitment Activities:	Continued recruitment for Operator-in-Training or Operator I/II.
Injuries:	None

**COLLECTIONS:**

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

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

## General Manager's Report

January 12, 2022

Page 2

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 1 cleanout. They also repaired 3 laterals, lined 1 lateral and made 1 main line repair. Additionally, the service response/programs crew completed 147 work orders in support of the grease and odor control program, responded to 55 customer requests for service (16 were NSD problem) and closed out 273 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 81 laterals, cleaned approximately 46,794.6 feet of main line and CCTV inspected 26 laterals. In addition, the CCTV truck televised 24,487.7 feet of mainline. Also field crews completed 49 man hole inspections.

### **TREATMENT PLANT:**

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

#### Plant Operations:

- For November 2021, the plant's influent flow was 237.8 MG as compared to last year flow for November 2020 of 162.6 MG
- There was 1.61" rainfall for November 2021 (Carneros Rainfall Center) as compared to 0.47" rainfall for November 2020.
- Pond 4 end of the month recorded level reading was 79.76".
- From January through November 3,791 ACFT or 55% of the influent flow was treated and distributed as recycled water.

#### Power Consumption and Production:

- November 2021 power purchased from PG&E was 369 MWH in comparison to November 2020 purchase of 338 MWH.
- Cogeneration unit ran 717 of 720 hours for the month – 99.58% uptime, averaging 310.85 Kw, producing 223 MWH of energy
- Solar generation in November 2021 was 92 MWH, compared to 115 MWH in October and 103 MWH in November 2020.

## General Manager's Report

January 12, 2022

Page 3

### Maintenance:

Significant events for the month of November 2021:

#### Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Digester Sump Pump/replaced level Miltronics
- Installed new receiver and antenna extension on outer main gate
- Replaced 480v conductors to outer main gate
- Replaced Aeration Basin #4 RAS Pump 201
- PLC 5 RIO 50 (drop 6) DO module replaced
- Fabricated new mount for Headworks high channel level float
- Recycle Pump #2/replaced cooling water rotameter

#### Projects

- Completed CIP 21704/Headworks redundant Compactor Washer
- Stanly Ranch/installed and configured OIS, optimize telemetry signal and integrated power meter into SCADA

#### Standby Power

- Plant generators operational testing only
- Riverpark, 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 November, 2021. All parameters were monitored at the required frequencies. The following were notable sampling events:

- November 16, 2021: Mercury, Metals, Cyanide, Nutrients, PCB Congeners
- November 17-21, 2021: Acute Toxicity Bioassay
- November 17, 2021: Nutrients
- November 24-30, 2021: Cyanide

#### Influent (INF-001) Summary

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

- November 16, 2021: Metals, Mercury, Cyanide, Nutrients

**RECYCLING:**

Significant events in the Recycling Department for November 2021 include:

- Recycled water delivered for the month of November 2021 was (4.285 million gallons), as compared to November 2020 (42.607 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.
- Staff approved the connection of one new recycled water connection in the MST area..

**POLLUTION PREVENTION:**

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

- Six school tours of the NapaSan facility were given in November to 6<sup>th</sup> grade students from River School.
- Staff continued to conduct outreach regarding the Browns Valley Trunk Project. Weekly email and text updates as well as weekly website updates were made to keep residents up to date regarding construction activities. Staff continued to conduct outreach for the Summer 2021 Collection System Rehabilitation Project.
- Staff had a booth at the Farmers Market on November 20. The focus for the event was proper grease disposal and staff gave many residents grease scrapers and grease buddy containers.
- NapaSan staff participated in the Napa Holiday parade to spread the word about only flushing the 3 P's.
- 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.
- 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 November 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 advertised the 2022 Collection System Rehabilitation Project for bidding.
- Contractor continued construction of the 66-inch Trunk Sewer Rehabilitation Project.
- Contractor continued construction of the Pond Levee Maintenance Project.
- Contractor continued construction of the 2021 Treatment Plant Improvements Project.
- Consultant continued design for the North Napa Siphon Gate Replacement Project.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 41 sets of development plans and deemed 17 sets of plans complete. The approved plans consisted of 8 residential dwellings, 2 residential laterals, 2 recycled water laterals and 5 tenant improvements.

**Budget Status & Cash Summary - July 1, 2021 - November 30, 2021 (41.7% of the year)**

<i>Expenditures</i>	FY 21/22 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
<b>Operating</b>						
Salaries & Benefits	\$11,021,800	\$6,844	\$3,657,865	\$3,664,709	\$7,357,091	33.2%
Services & Supplies	7,019,850	1,335,478	2,435,734	3,771,212	3,248,638	53.7%
Taxes	35,000	-	18,516	18,516	16,484	52.9%
Debt Service	5,149,550	-	4,274,630	4,274,630	874,920 <sup>①</sup>	83.0%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
<b>Total Operating:</b>	<b>\$32,226,200</b>	<b>\$1,342,322</b>	<b>\$10,386,744</b>	<b>\$11,729,066</b>	<b>\$20,497,134</b> <sup>②</sup>	<b>36.4%</b>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$37,626,850	\$9,877,107	\$11,331,613	\$21,208,721	\$16,418,129 <sup>③</sup>	56.4%
Intrafund Transfers	3,580,000	-	3,439,189	3,439,189	140,811	96.1%
<b>Total Capital :</b>	<b>\$41,206,850</b>	<b>\$9,877,107</b>	<b>\$14,770,802</b>	<b>\$24,647,909</b>	<b>\$16,558,941</b>	<b>59.8%</b>
<b>Grand Total Expenditures:</b>	<b>\$73,433,050</b>	<b>\$11,219,429</b>	<b>\$25,157,547</b>	<b>\$36,376,975</b>	<b>\$37,056,075</b>	<b>49.5%</b>

<i>Revenues</i>	FY 21/22 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
<b>Operating</b>						
Use of Money/Property	\$345,000		\$98,928	\$98,928	\$246,072	28.7%
Charges for Services	32,238,500		4,654,293	4,654,293	27,584,207	14.4%
Miscellaneous Revenues	64,000		22,183	22,183	41,817	34.7%
Donations/Contributions (Capital Labor)	-		279,290	279,290	(279,290) <sup>④</sup>	N/A
<b>Total Operating:</b>	<b>\$32,647,500</b>		<b>\$5,054,694</b>	<b>\$5,054,694</b>	<b>\$27,592,806</b>	<b>15.5%</b>
<b>Capital</b>						
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	3,580,000		3,625,051	3,625,051	(45,051) <sup>⑤</sup>	101.3%
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%
<b>Total Capital:</b>	<b>\$23,323,300</b>		<b>\$13,338,760</b>	<b>\$13,338,760</b>	<b>\$9,984,540</b>	<b>57.2%</b>
<b>Grand Total Revenue:</b>	<b>\$55,970,800</b>		<b>\$18,393,454</b>	<b>\$18,393,454</b>	<b>\$37,577,346</b>	<b>32.9%</b>

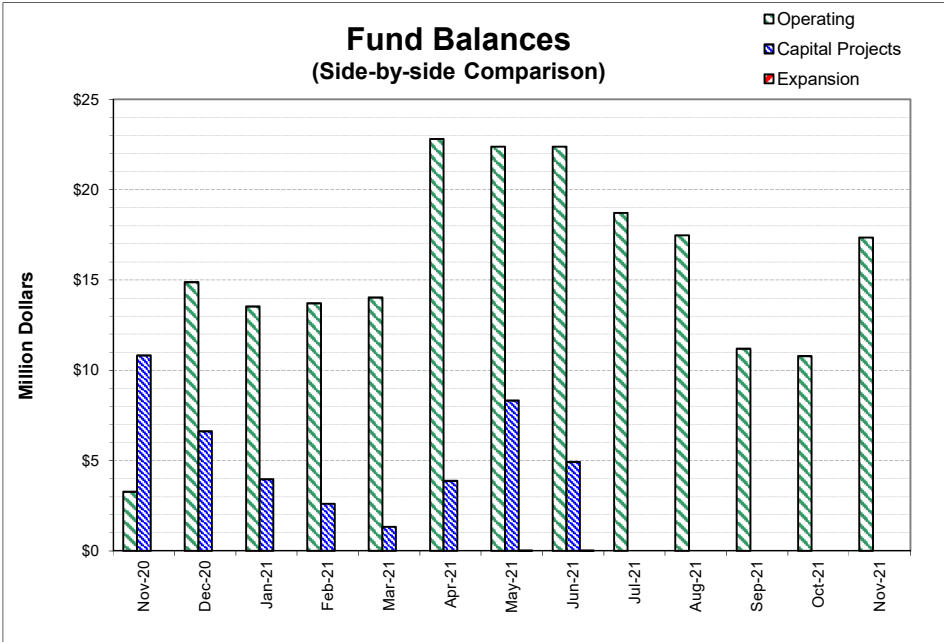
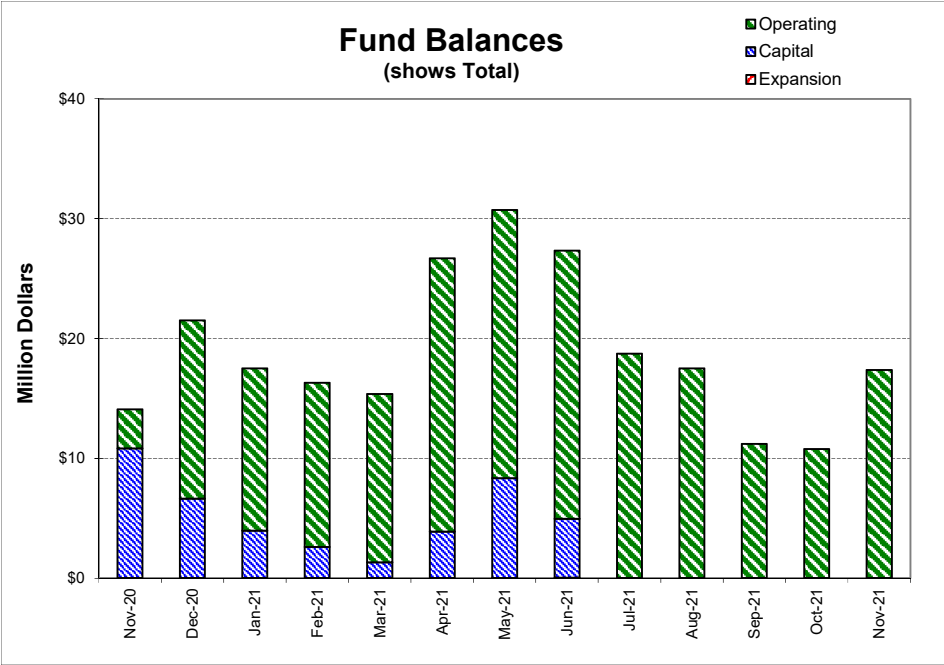
**Cash on Hand as of 11/30/21** **\$17,363,441**

\*\*excluding Debt Service restricted funds

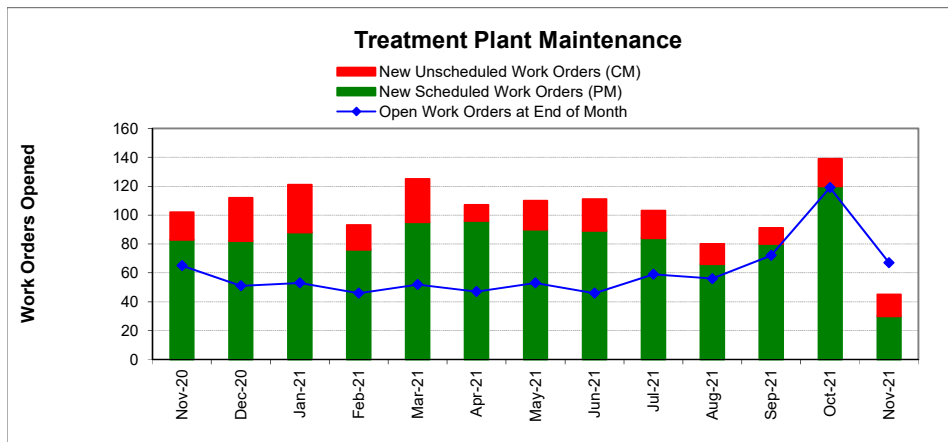
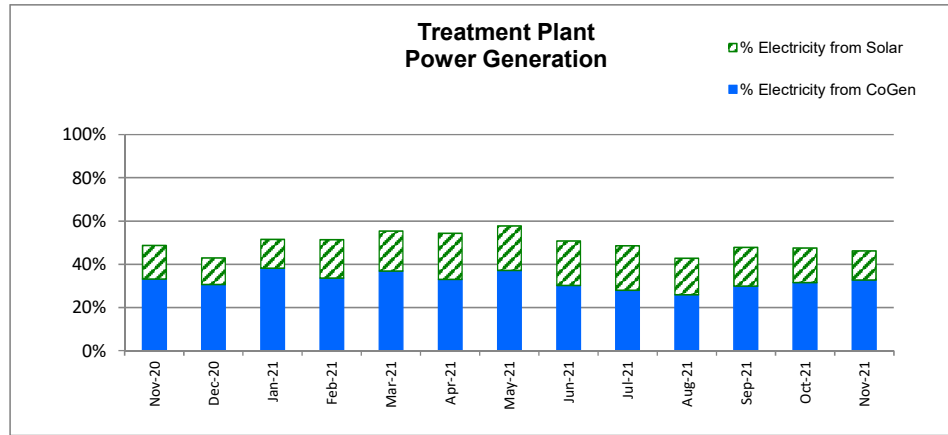
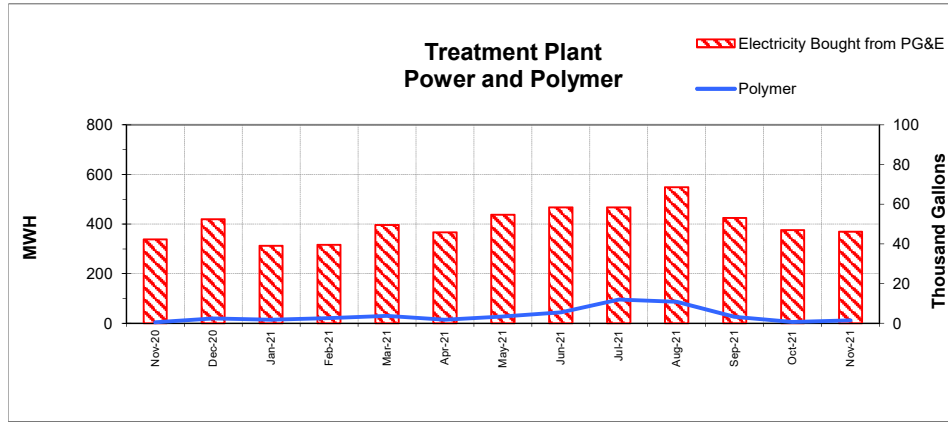
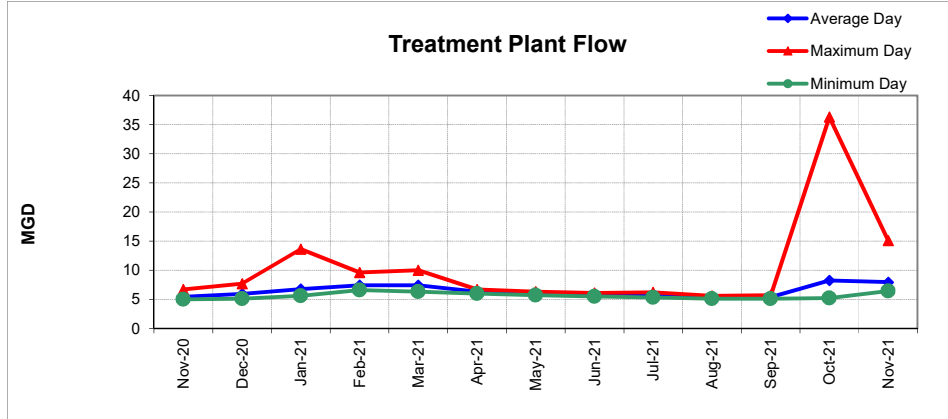
8/31/21 -Effective Rate of Return = 0.37%

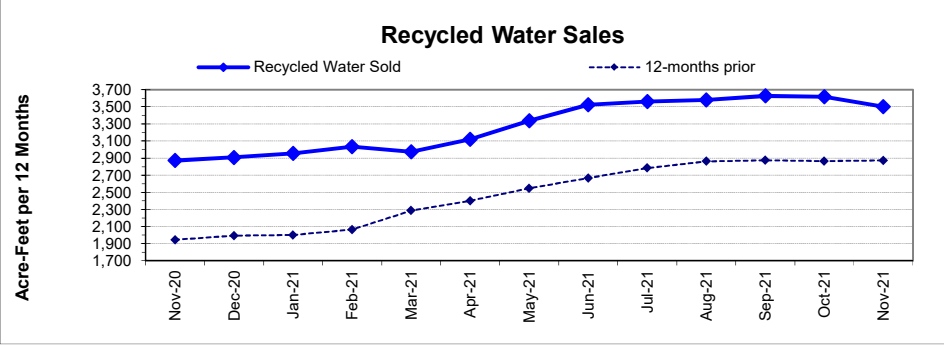
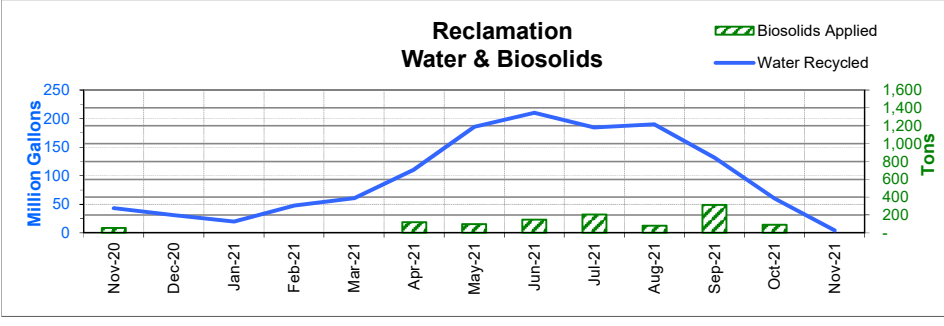
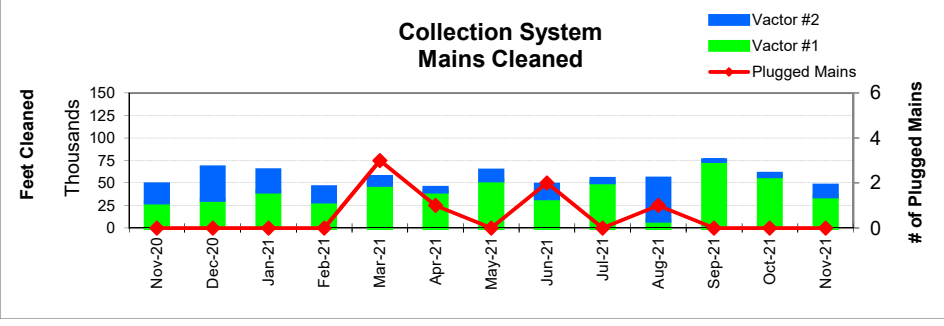
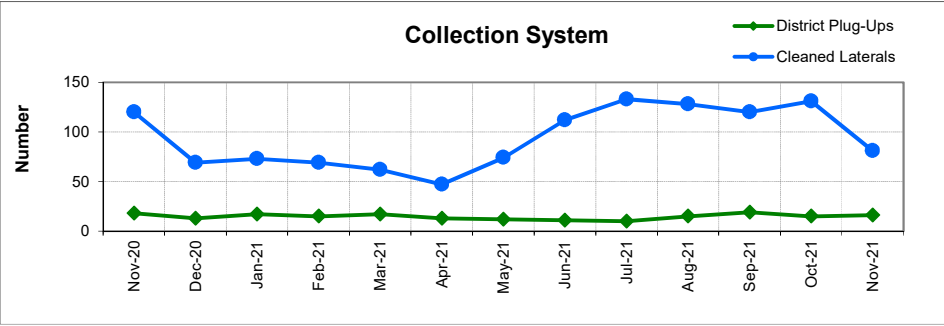
Please note: Investment Reports from Napa County Treasurer have not been available since August 2021.

1. Series 2012A, 2017, and 2021A principal/interest payments are made in Jul and Jan
2. Includes Debt Service and Intrafund Transfers; otherwise is 41.2%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)
5. Received Braydon Apt capacity charges earlier than anticipated.









**FUND BALANCES - MONTHLY**

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

**DEVELOPMENT WORKLOAD - MONTHLY**

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

**INSPECTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	-	2	2	2	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	-	-	-	1	2	1	3	-	-	-	-	2
Inspections - Mains	3	3	2	-	-	-	21	10	5	1	-	-	-
Inspections - Manholes	6	3	4	-	-	11	8	3	5	9	1	1	3
Inspections - Laterals	8	9	7	5	12	35	31	18	9	18	11	12	20
Inspections - Cleanouts	13	10	10	7	9	21	10	1	1	6	4	5	30
Inspections - Review Video	-	-	-	3	-	-	-	3	-	2	-	-	-
Demo - Septic Tanks	-	-	-	-	-	-	1	-	-	-	-	-	-
Demo - Buildings	-	1	-	-	-	-	-	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>30</b>	<b>26</b>	<b>23</b>	<b>15</b>	<b>22</b>	<b>69</b>	<b>72</b>	<b>38</b>	<b>20</b>	<b>38</b>	<b>18</b>	<b>20</b>	<b>55</b>
<b><u>MISCELLANEOUS</u></b>													
Meter Readings	-	-	4	-	4	-	-	-	-	-	-	3	-
Washdown Facility Inspections	-	-	-	-	-	-	-	1	-	-	3	3	-
General Customer Assistance	35	34	33	12	-	-	2	-	38	38	20	20	30
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>35</b>	<b>34</b>	<b>37</b>	<b>12</b>	<b>4</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>38</b>	<b>38</b>	<b>23</b>	<b>26</b>	<b>30</b>
<b><u>SPECIAL PROJECTS</u></b>	<b>21</b>	<b>20</b>	<b>20</b>	<b>14</b>	<b>50</b>	<b>37</b>	<b>22</b>	<b>24</b>	<b>12</b>	<b>21</b>	<b>15</b>	<b>18</b>	<b>11</b>

**POLLUTION PREVENTION WORKLOAD - MONTHLY**

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

**RECYCLED WATER DELIVERIES - MONTHLY**

	Acres	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21
<b>MONTHLY (MG)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	21.811	8.095	1.109	4.210	17.697	42.657	72.839	67.733	73.695	65.483	48.550	23.964	0.121
Cemeteries	57.1	2.374	1.421	0.489	0.548	0.864	4.079	4.307	4.895	5.192	5.328	5.215	3.730	1.100
Parks	18.5	0.274	0.046	-	0.007	-	0.682	1.486	1.230	0.760	0.897	0.637	0.653	-
Schools	12.6	0.827	0.071	0.006	-	0.097	1.544	2.390	2.428	1.969	2.301	1.729	1.189	0.006
Commerical	166.5	8.985	3.651	1.948	1.108	4.228	10.589	16.724	17.867	16.880	18.010	14.366	11.868	2.098
Vineyards	3,442.0	7.086	15.696	16.117	41.694	36.227	41.332	63.950	85.981	64.890	68.576	43.123	15.398	0.794
Trucked Water	175.0	1.251	1.681	0.134	0.238	1.460	3.543	4.223	8.283	6.619	7.321	7.336	3.153	0.166
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>42.607</b>	<b>30.663</b>	<b>19.803</b>	<b>47.806</b>	<b>60.575</b>	<b>104.425</b>	<b>165.919</b>	<b>188.417</b>	<b>170.005</b>	<b>167.917</b>	<b>120.957</b>	<b>59.956</b>	<b>4.285</b>
<b>District Use</b>														
Jameson	330.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Somky	213.0	0.254	0.133	0.001	-	0.013	6.477	19.621	21.914	13.995	22.023	10.402	0.123	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>0.254</b>	<b>0.133</b>	<b>0.001</b>	<b>-</b>	<b>0.013</b>	<b>6.477</b>	<b>19.621</b>	<b>21.914</b>	<b>13.995</b>	<b>22.023</b>	<b>10.402</b>	<b>0.123</b>	<b>-</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>42.861</b>	<b>30.796</b>	<b>19.803</b>	<b>47.806</b>	<b>60.588</b>	<b>110.902</b>	<b>185.540</b>	<b>210.331</b>	<b>184.000</b>	<b>189.941</b>	<b>131.359</b>	<b>60.078</b>	<b>4.285</b>
<b>ANNUAL (AF)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	1,271	1,296	1,299	1,274	1,266	1,321	1,384	1,361	1,359	1,369	1,378	1,374	1,308
Cemeteries	57.1	115	118	119	119	112	114	116	115	115	116	119	118	114
Parks	18.5	18	18	18	18	18	20	24	24	21	21	20	20	20
Schools	12.6	49	49	49	48	46	49	50	50	47	46	45	45	42
Commerical	166.5	400	404	407	401	383	387	397	403	393	390	391	387	366
Vineyards	3,442.0	954	955	995	1,106	1,075	1,148	1,285	1,475	1,515	1,517	1,539	1,535	1,515
Trucked Water	175.0	65	69	68	69	72	79	81	97	111	122	136	139	136
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>2,872</b>	<b>2,909</b>	<b>2,955</b>	<b>3,035</b>	<b>2,973</b>	<b>3,119</b>	<b>3,336</b>	<b>3,524</b>	<b>3,562</b>	<b>3,580</b>	<b>3,628</b>	<b>3,618</b>	<b>3,501</b>
<b>District Use</b>														
Jameson	330.0	12	12	12	12	12	12	12	12	7	4	-	-	-
Somky	213.0	147	147	147	147	147	167	211	237	234	270	293	291	291
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>159</b>	<b>160</b>	<b>159</b>	<b>159</b>	<b>159</b>	<b>179</b>	<b>222</b>	<b>249</b>	<b>242</b>	<b>273</b>	<b>293</b>	<b>291</b>	<b>291</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>3,031</b>	<b>3,068</b>	<b>3,115</b>	<b>3,194</b>	<b>3,133</b>	<b>3,298</b>	<b>3,558</b>	<b>3,773</b>	<b>3,803</b>	<b>3,854</b>	<b>3,921</b>	<b>3,910</b>	<b>3,791</b>

**BIOSOLIDS HANDLING - MONTHLY**

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



**COLLECTION SYSTEM MAINTENANCE - MONTHLY**

<b>CATEGORY</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>
<b>Plugups</b>													
<b>Total Calls</b>	56	59	48	41	54	59	40	33	38	40	50	56	55
Business Hours	37	39	37	29	39	37	26	25	24	23	29	38	49
After Hours	19	20	11	12	15	22	14	8	14	17	21	18	6
District's	18	13	17	15	17	13	12	11	10	15	19	15	16
Property Owner's	38	46	31	26	34	45	28	20	28	25	31	41	39
Plugged Main Lines	-	-	-	-	3	1	-	2	-	1	-	-	-
Run Lateral w/Eel	120	69	73	69	62	47	74	112	133	128	120	131	81
<b>Cleaning (feet of sewer)</b>													
Vactor #1	28,507	31,186	40,675	29,419	48,016	40,653	53,152	33,236	50,928	8,225	74,620	57,574	35,402
Vactor #2	19,789	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	-	-	-	-	-	-	-	-	-	-
<b>Total (feet)</b>	<b>48,296</b>	<b>69,092</b>	<b>65,633</b>	<b>45,306</b>	<b>56,772</b>	<b>44,331</b>	<b>63,720</b>	<b>48,156</b>	<b>54,507</b>	<b>54,708</b>	<b>74,892</b>	<b>60,006</b>	<b>46,795</b>
<b>Cleaning Days</b>													
<b>Total</b>	<b>20</b>	<b>23</b>	<b>27</b>	<b>19</b>	<b>23</b>	<b>19</b>	<b>19</b>	<b>21</b>	<b>19</b>	<b>22</b>	<b>22</b>	<b>21</b>	<b>19</b>
Vactor #1	12	12	16	13	19	17	16	16	16	4	21	20	15
Vactor #2	8	10	8	6	3	2	3	5	3	18	1	1	4
Hydro	-	1	-	-	1	-	-	-	-	-	-	-	-
Rodder	-	-	3	-	-	-	-	-	-	-	-	-	-
<b>Feet/day</b>													
<b>Total</b>	<b>2,400</b>	<b>3,000</b>	<b>2,450</b>	<b>2,400</b>	<b>2,450</b>	<b>2,350</b>	<b>3,350</b>	<b>2,300</b>	<b>2,850</b>	<b>2,500</b>	<b>3,400</b>	<b>2,850</b>	<b>2,450</b>
Vactor #1	2,400	2,600	2,550	2,250	2,550	2,400	3,300	2,100	3,200	2,050	3,550	2,900	2,350
Vactor #2	2,450	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	-	-	-	-	-	-	-	-	-	-
<b>Video Inspections</b>													
Mains (feet)	28,717	18,657	28,757	22,463	36,064	26,380	12,761	26,640	26,847	31,995	34,022	26,402	24,488
Laterals (each)	204	227	219	233	228	237	290	244	231	234	212	273	162
<b>Construction (each)</b>													
Cleanouts	12	7	11	7	8	13	5	3	3	4	9	3	9
Laterals	9	6	6	6	7	6	3	3	3	6	1	-	4
Mains	3	1	-	1	-	-	1	-	1	-	-	-	1
Manholes	-	-	-	1	1	-	-	-	-	1	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>USA Markings</b>													
Regular (w/in 2 days)	246	185	204	252	741	1,019	278	287	366	784	313	254	260
Emergency (w/in 2 hours)	13	15	10	13	19	22	17	14	7	13	29	5	13



**WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY**

<b>CATEGORY</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>	<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>	<b>Oct-21</b>	<b>Nov-21</b>
<b><u>Scheduled</u></b>													
Old	24	31	20	25	26	26	26	31	22	35	34	48	95
New	83	82	88	76	95	96	90	89	84	66	80	120	30
Completed	76	93	83	75	95	96	85	98	71	67	66	73	80
<b>New Balance</b>	<b>31</b>	<b>20</b>	<b>25</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>31</b>	<b>22</b>	<b>35</b>	<b>34</b>	<b>48</b>	<b>95</b>	<b>45</b>
<b><u>Unscheduled</u></b>													
Old	35	34	31	28	20	26	21	22	24	24	22	24	24
New	19	30	33	17	30	11	20	22	19	14	11	19	15
Completed	20	33	36	25	24	16	19	20	19	16	9	19	17
<b>New Balance</b>	<b>34</b>	<b>31</b>	<b>28</b>	<b>20</b>	<b>26</b>	<b>21</b>	<b>22</b>	<b>24</b>	<b>24</b>	<b>22</b>	<b>24</b>	<b>24</b>	<b>22</b>
<b><u>Total Work Orders</u></b>													
Old	59	65	51	53	46	52	47	53	103	59	56	72	119
New	102	112	121	93	125	107	110	111	90	80	91	139	45
Completed	96	126	119	100	119	112	104	118	59	83	75	90	97
<b>New Balance</b>	<b>65</b>	<b>51</b>	<b>53</b>	<b>46</b>	<b>52</b>	<b>47</b>	<b>53</b>	<b>46</b>	<b>59</b>	<b>56</b>	<b>72</b>	<b>119</b>	<b>67</b>
<b><u>LAB ANALYSES</u></b>													
<b>Sample Type</b>													
Regulatory	221	328	209	204	219	242	142	159	140	165	144	149	143
Process Control	960	1,644	986	918	968	1,010	783	871	829	826	795	772	812
Special Request	301	42	9	-	-	-	-	10	-	-	6	2	2
Quality Control/Assurance	928	1,662	929	878	962	968	674	506	520	551	535	641	938
<b>TOTAL</b>	<b>2,410</b>	<b>3,676</b>	<b>2,133</b>	<b>2,000</b>	<b>2,149</b>	<b>2,220</b>	<b>1,599</b>	<b>1,546</b>	<b>1,489</b>	<b>1,542</b>	<b>1,480</b>	<b>1,564</b>	<b>1,895</b>

**Summary of NSD Capital Project Status  
through 11-30-2021**

<b>Proj #</b>	<b>Description (shortened)</b>	<b>FY 21/22 Budget</b>	<b>FY 20/21 Carry Forwards</b>	<b>Adj.</b>	<b>Final FY 21/22 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
<b><u>COLLECTION SYSTEM - PROJECTS</u></b>									
13701	Main Line Sewer Rehab	64,300	-		64,300	-	25,198	39,102	39%
13702	Manhole Raising/Rehab	356,300	-		356,300	33,200	1,773	321,327	0%
13703	Lateral Replacement/Rehab	117,800	-		117,800	-	7,535	110,265	6%
13704	Cleanouts Installation/Rehab	114,600	-		114,600	-	15,177	99,423	13%
13705	I&I Reduction Program	237,500	-		237,500	191,726	199	45,575	0%
14703	Browns Valley Rd & First St	7,000,000	2,141,900	(300,000)	8,841,900	2,192,582	3,312,161	3,337,156	37%
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	778,795	3,470,135	521,070	73%
19703	Sewer System I&I 2020	-	1,911,400		1,911,400	1,514,393	13,195	383,812	1%
20701	Upper Lateral Rehab - Pilot #5	5,000	-		5,000	-	-	5,000	-
20702	Manhole Rehabilitation	258,800	-	(50,000)	208,800	-	945	207,855	0%
20703	2021 Collection System Rehab	2,785,800	1,007,200		3,793,000	1,491,678	1,423,409	877,913	38%
21701	2022 Collection System Rehab	4,394,600	14,950		4,409,550	15,600	37,113	4,356,837	1%
21718	NN Siphon Gate Rplcment	300,000	9,100		309,100	59,116	40,785	209,199	13%
22701	2023 Collection System Rehab	20,000	-		20,000	-	-	20,000	-
<b><u>COLLECTION SYSTEM - EQUIPMENT</u></b>									
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	-
<b><u>COLLECTION SYSTEM - LIFT STATIONS</u></b>									
17711	West Napa PS - Rehab		4,383,400		4,383,400	1,097,964	1,422,573	1,862,863	32%
22705	River Park PS Improvements	75,000	-		75,000	-	-	75,000	-
<b><u>TREATMENT - PROJECTS</u></b>									
20706	WWTP Master Plan	629,800	578,500		1,208,300	819,664	224,867	163,770	19%
20707	Pond Levee Repair	900,000	127,500		1,027,500	171,428	549,184	306,888	53%
20708	2020 Treatment Plant Imprvmnts	800,000	1,197,900		1,997,900	679,618	169,248	1,149,033	8%
22706	2023 Treatment Plant Imprvmnts	150,000	-		150,000	-	-	150,000	-
<b><u>TREATMENT - EQUIPMENT</u></b>									
					-			-	-

**Summary of NSD Capital Project Status  
through 11-30-2021**

<b>Proj #</b>	<b>Description (shortened)</b>	<b>FY 21/22 Budget</b>	<b>FY 20/21 Carry Forwards</b>	<b>Adj.</b>	<b>Final FY 21/22 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
15707	DAFT Overflow Pumps (2)	-	24,200		24,200	-	21,763	2,437	90%
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	2,400		2,400	-	-	2,400	-
19708	Rotork Actuator Rplcmnt	-	50,700	(20,000)	30,700	-	8,079	22,621	26%
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	20,387	115,319	13%
21706	Rotork Actuator Replacement	-	94,550		94,550	-	-	94,550	-
21707	Digester Roof Grating Rplcmnt	-	110,900		110,900	35,506	-	75,394	-
21709	Plant Door Replacement - Ph 2	-	15,000		15,000	-	-	15,000	-
22707	Belt Press Augers	60,000	-		60,000	-	-	60,000	-
22708	Pump Rebuild - CCB Svc Wtr #1	65,000	-		65,000	-	-	65,000	-
22709	Roof Rplcmnt - Filter Supp	68,900	-	20,000	88,900	-	-	88,900	-
22710	Plant Door Rplcmnt Ph 3	23,800	-		23,800	-	-	23,800	-
	<b><u>LAB - EQUIPMENT</u></b>								
22711	Lab Refrigerator (2)	16,100	-		16,100	-	-	16,100	-
22712	Lab BOD Incubator	9,300	-		9,300	-	-	9,300	-
22713	Lab Sampler 5800 Replacement	15,500	-		15,500	-	-	15,500	-
22714	Lab FIA Unit	50,000	-		50,000	-	-	50,000	-
22715	Lab IC Unit	70,000	-		70,000	48,455	6,561	14,984	9%
	<b><u>SCADA</u></b>								
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	-
	<b><u>RECYCLING - PROJECTS</u></b>								
13727	North Bay Water Reuse Proj	150,000	-		150,000	-	10,000	140,000	7%
18731	Coombsville Truck Fill Station	-	26,600		26,600	-	1,374	25,226	5%
22716	SWRF Truck Fill Elec Disp Unit	20,000	-		20,000	21	9,658	10,321	48%
22719	2021 MST RW Meters	-	-	300,000	300,000	5,000	168,422	126,578	56%

**Summary of NSD Capital Project Status  
through 11-30-2021**

<b>Proj #</b>	<b>Description (shortened)</b>	<b>FY 21/22 Budget</b>	<b>FY 20/21 Carry Forwards</b>	<b>Adj.</b>	<b>Final FY 21/22 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
	<b><u>RECYCLING - EQUIPMENT</u></b>								
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	-	58,201	15,999	78%
21717	Veh 723 - Water Trailer	-	30,250		30,250	-	1,716	28,534	6%
22717	Meter Reading Software Upgrade	20,000	-		20,000	-	550	19,450	3%
	<b><u>OTHER</u></b>								
13729	Development Technical Support	361,000	-		361,000	-	97,296	263,704	27%
22718	WWTP Site Paving	5,000	-		5,000	-	-	5,000	-
		<b>\$20,128,300</b>	<b>\$17,498,550</b>	<b>-</b>	<b>\$37,626,850</b>	<b>\$9,877,107</b>	<b>\$11,331,613</b>	<b>\$16,418,129</b>	<b>30%</b>