



**Napa Sanitation District**

**General Manager's Report**

**for**

**March 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:** May 5, 2021  
**FROM:** Timothy B. Healy, General Manager  
**SUBJECT:** General Manager’s Report for March 2021

**REGULATORY COMPLIANCE:**

Collection System Compliance:	1 Category 1 SSO’s, 0 Category 2 SSO’s, and 4 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 – March 31, 2021
Percent Fiscal Year:	75.0%
Operating Expenditures to date:	54.0%
Historical Expenditures to date:	74.1%
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 last fiscal year, the Capital Fund has had sufficient funds for this fiscal year, 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 March 2021 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	Steve Caldwell, Collection System Worker III, promoted to Collection System Supervisor
Recruitment Activities:	None
Injuries:	None

## General Manager's Report

May 5, 2021

Page 2

### **COLLECTIONS:**

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

- The District had 1 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 4 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 7 cleanouts and repaired 1 cleanout. They also repaired 5 laterals and lined 2 laterals. The repair crew also made 1 man hole repair. Additionally, the service response/programs crew completed 99 work orders in support of the grease and odor control program, responded to 54 customer requests for service (20 were NSD problem) and closed out 760 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 62 laterals, cleaned approximately 56,772.2 feet of main line and CCTV inspected 117 laterals. In addition, the CCTV truck televised 36,063.6 feet of mainline.

### **TREATMENT PLANT:**

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

#### Plant Operations:

- For March 2021, the plant's influent flow was 230.3 MG as compared to last year flow for March 2020 of 194.5 MG
- There was 1.85" rainfall for February 2021 (Carneros Rainfall Center) as compared to 0.86" rainfall for March 2020.
- Pond 4 end of the month recorded level reading was 77.12".

#### Power Consumption and Production:

- March 2021 power purchased from PG&E was 397 MWH in comparison to March 2020 purchase of 368 MWH.
- Cogeneration unit ran 726 of 744 hours for the month – 97.58% uptime, averaging 352.50 Kw, producing 256 MWH of energy
- Solar generation in March 2021 was 150 MWH, compared to 115 MWH in February and 142 MWH in March 2020. The solar provider replaced a few failed inverters in March.

## General Manager's Report

May 5, 2021

Page 3

### Maintenance:

Significant events for the month of March 2021:

#### Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Cogen Service;
  - Adjusted valves, replaced turbo soft boot and replaced throttle body
- Replaced VFD/hypo pump #3
- Rewind recycle pump #3 motor
- Annual Standby Generator Service;
  - Changed oil and filters/replaced primary, secondary fuel filters and fuel separator
- Bio-assay/replaced RTD probe #3
- Replaced level transducer/Ferric tank
- Digester primary HEX temperature control/moved to PLC/SCADA control
- Service water pump #1 VFD/reconfigured for SCADA control

#### Projects

- Installed new Valve Actuator/Eagle Vines, Chardonnay line
- Pulled fuses at 12 KV drops and documented/type/amperage

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

- March 3, 2021: Mercury, Metals, Cyanide, Nutrients
- March 3-7, 2021: Acute Toxicity Bioassay
- March 9, 2021: Nutrients

### **Influent (INF-001) Summary**

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

- March 2, 2021: Metals, Mercury, Cyanide

### **RECYCLING:**

Significant events in the Recycling Department for March 2021 include:

- Recycled water delivered for the month of March 2021 was (60.588 million gallons), as compared to March 2020 (80.720 million gallons) is lower 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 ceased wet weather solids encapsulating at Somky Ranch.
- 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 March 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 conducted to keep residents up to date regarding construction activities.

- Staff continued to conduct outreach for the summer 2021 Collection System Rehabilitation Project.
- Staff began writing and designing the spring 2021 Pipeline Newsletter.
- Staff continued working with Katz & Associates to plan and conduct outreach regarding the rate study and upcoming Prop 218 process. A meeting was held on March 3 with the Napa Register Editorial Board. The second Public Information Session webinar was held on March 10, and the Prop 218 Public Hearing was held on March 31.
- Staff took part in a Spanish language Facebook Live and joined the Nuestra Tierra radio show on radio station KBBF to talk about NapaSan's pollution prevention messages and the proposed rate modifications.
- Staff helped to plan and begin advertising the hybrid (virtual and in-person) 2021 Earth Day event with the Environmental Education Coalition of Napa County.
- 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 March 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 began construction of the 66-inch Trunk Sewer Rehabilitation Project.
- Contractor began construction of the Pond Levee Maintenance Project
- Contractor continued construction of the Sanitary Sewer Manhole Adjustment Project, Phase X
- Contractor began construction of the 2021 Treatment Plant Improvements Project.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 15 sets of development plans and deemed 5 sets of plans complete. The approved plans consisted of 1 residential dwelling, 2 recycled water laterals, and 2 tenant improvements.

**Budget Status & Cash Summary - July 1, 2020 - March 31, 2021 (75.0% of the year)**

<i>Expenditures</i>	FY 20/21 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
<b>Operating</b>						
Salaries & Benefits	\$9,590,300	\$3,489	\$6,420,442	\$6,423,932	\$3,166,368	67.0%
Services & Supplies	6,428,900	1,029,175	3,941,730	4,970,905	1,457,995	77.3%
Taxes	42,400	-	17,110	17,110	25,290	40.4%
Debt Service	4,588,000	-	4,585,752	4,585,752	2,248 <sup>①</sup>	100.0%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
<b>Total Operating:</b>	<b>\$29,649,600</b>	<b>\$1,032,664</b>	<b>\$14,965,035</b>	<b>\$15,997,699</b>	<b>\$13,651,901</b>	<b>54.0%</b> <sup>②</sup>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$65,903,450	\$25,347,266	\$24,582,468	\$49,929,734	\$15,973,716 <sup>③</sup>	75.8%
Intrafund Transfers	1,992,000	-	1,554,471	1,554,471	437,529	78.0%
<b>Total Capital :</b>	<b>\$67,895,450</b>	<b>\$25,347,266</b>	<b>\$26,136,940</b>	<b>\$51,484,206</b>	<b>\$16,411,244</b>	<b>75.8%</b>
<b>Grand Total Expenditures:</b>	<b>\$97,545,050</b>	<b>\$26,379,930</b>	<b>\$41,101,975</b>	<b>\$67,481,905</b>	<b>\$30,063,145</b>	<b>69.2%</b>

<i>Revenues</i>	FY 20/21 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
<b>Operating</b>						
Use of Money/Property	\$325,000		\$342,106	\$342,106	(\$17,106) <sup>④</sup>	105.3%
Charges for Services	32,433,000		20,942,397	20,942,397	11,490,603	64.6%
Miscellaneous Revenues	62,000		101,455	101,455	(39,455)	163.6%
Donations/Contributions (Capital Labor)	-		611,840	611,840	(611,840) <sup>⑤</sup>	N/A
<b>Total Operating:</b>	<b>\$32,820,000</b>		<b>\$21,997,798</b>	<b>\$21,997,798</b>	<b>\$10,822,202</b>	<b>67.0%</b>
<b>Capital</b>						
Use of Money/Property	\$0		\$921	\$921	(\$921)	N/A
Capacity Charges	1,992,000		1,184,229	1,184,229	807,771	59.4%
Bond/Loan Proceeds	27,249,900		11,843,674	11,843,674	15,406,226	43.5%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	10,992,000		1,588,944	1,588,944	9,403,056	14.5%
<b>Total Capital:</b>	<b>\$40,263,900</b>		<b>\$14,617,768</b>	<b>\$14,617,768</b>	<b>\$25,646,132</b>	<b>36.3%</b>
<b>Grand Total Revenue:</b>	<b>\$73,083,900</b>		<b>\$36,615,565</b>	<b>\$36,615,565</b>	<b>\$36,468,335</b>	<b>50.1%</b>

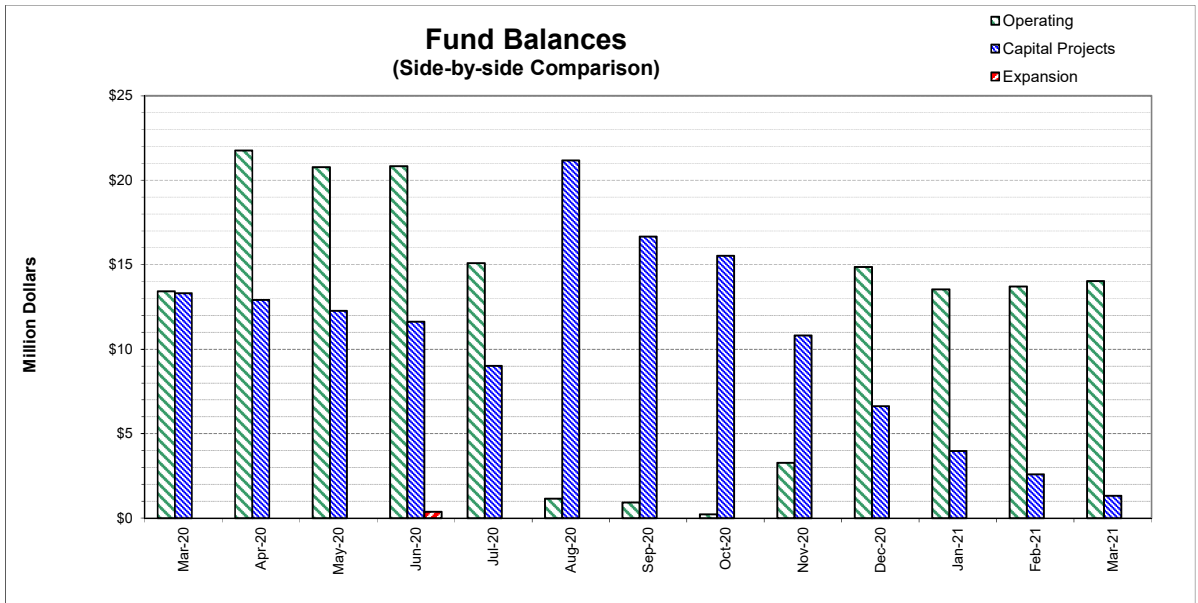
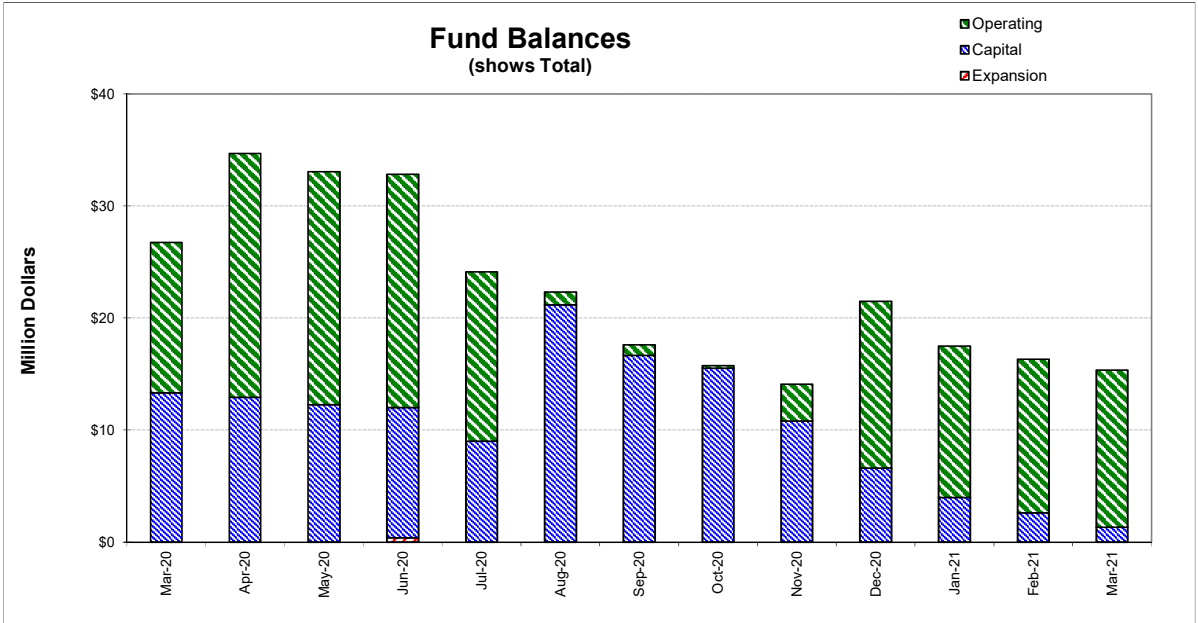
**Cash on Hand as of 03/31/21** **\$15,354,995**

\*\*excluding Debt Service restricted funds

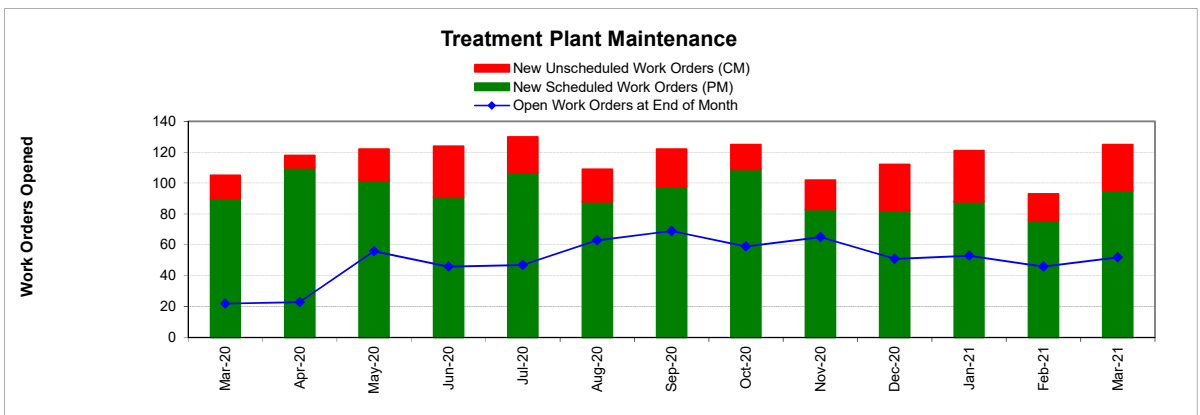
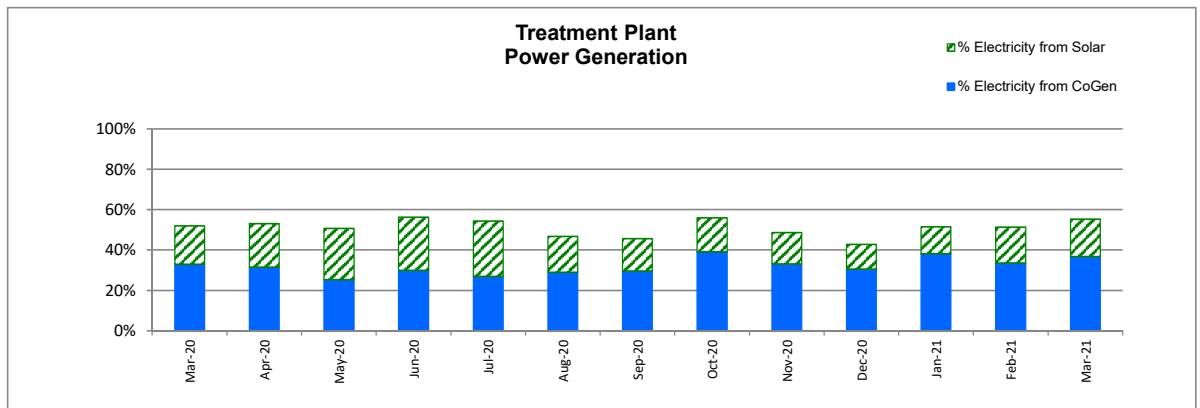
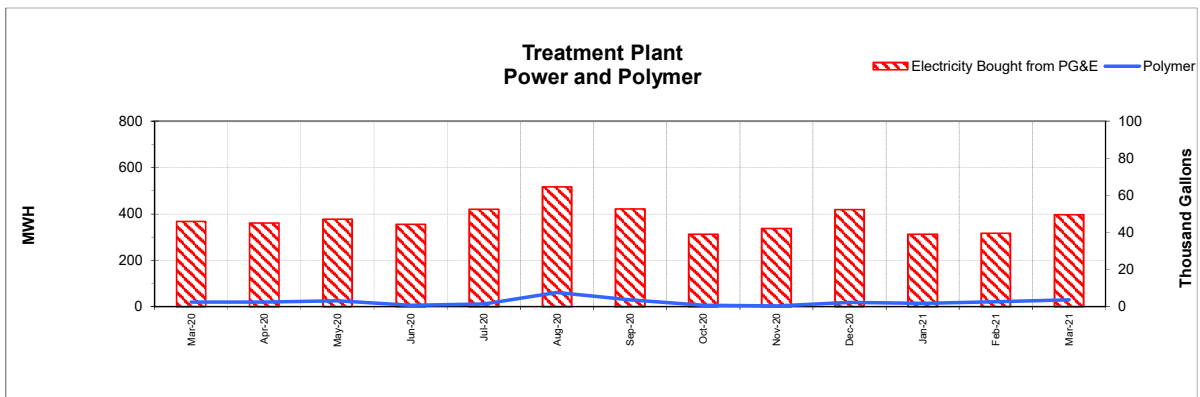
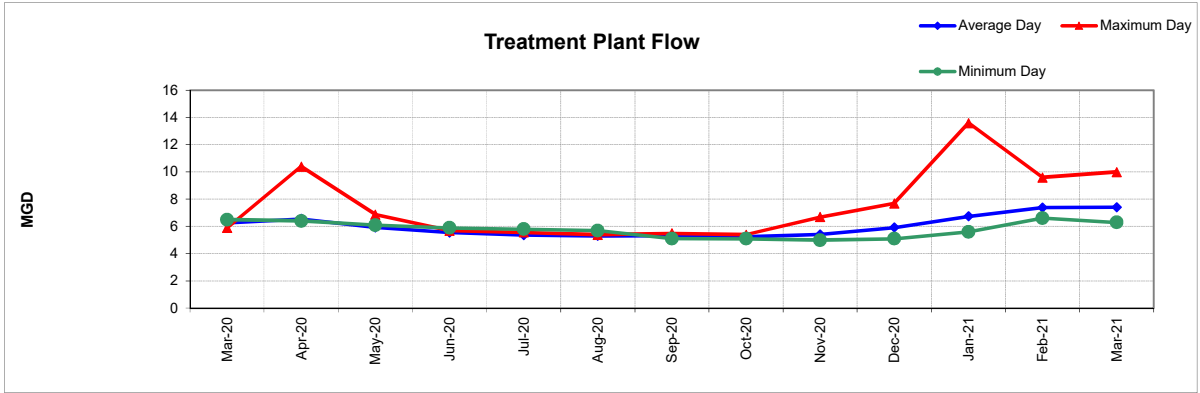
2/28/21 -Effective Rate of Return = 1.13%

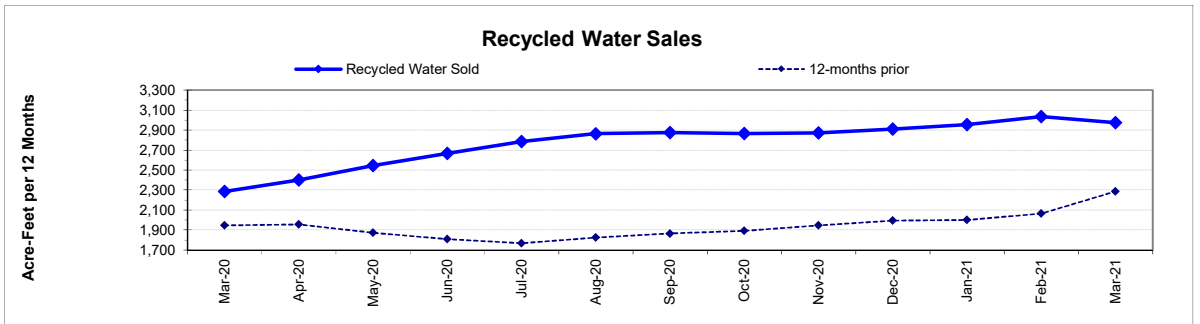
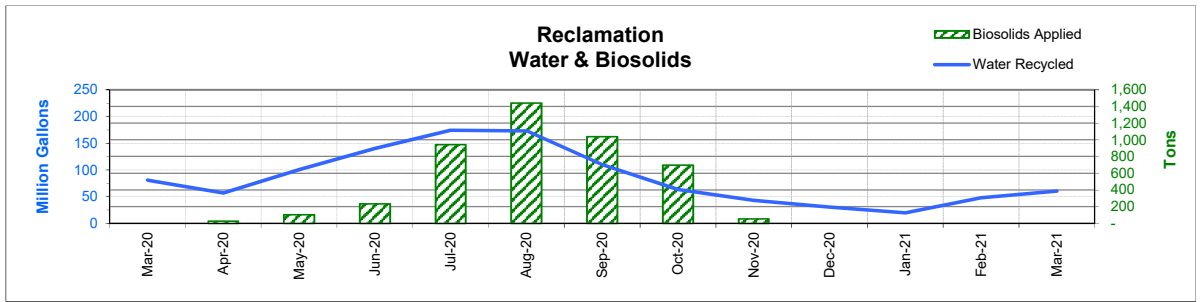
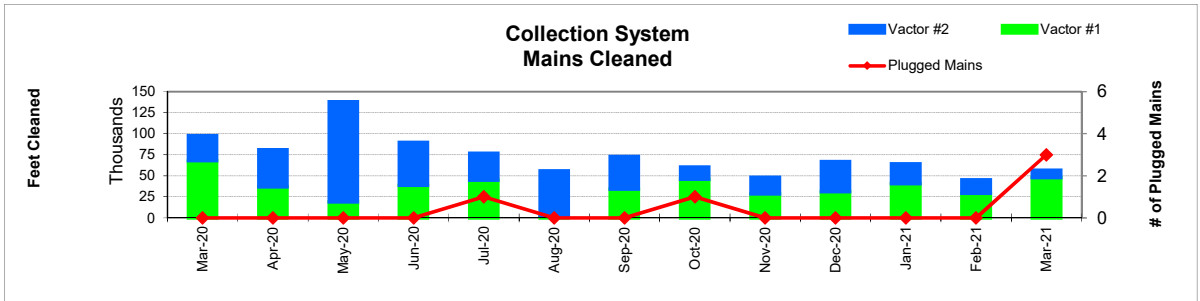
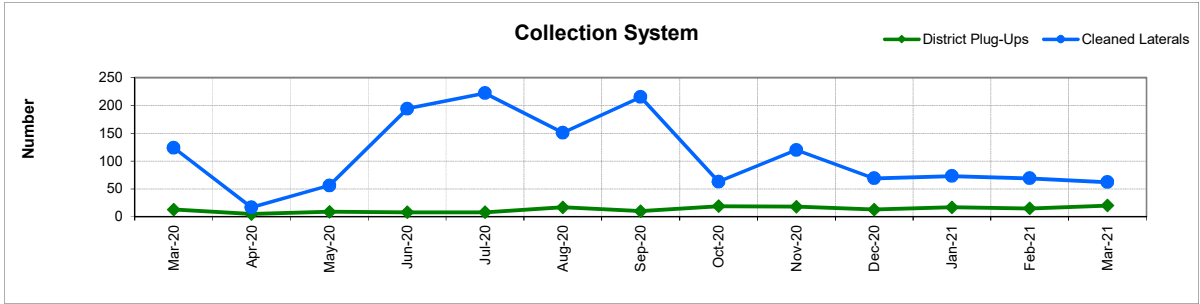
Note: March rate not available at time of report

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 71.1%
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 - MONTHLY**

<b>CATEGORY</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>
<i>(Thousand Dollars)</i>												
7800	13,427	21,767	20,787	20,841	15,104	1,143	924	231	3,270	14,872	13,536	13,713
7850	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Operating</b>	<b>13,427</b>	<b>21,767</b>	<b>20,787</b>	<b>20,841</b>	<b>15,104</b>	<b>1,143</b>	<b>924</b>	<b>231</b>	<b>3,270</b>	<b>14,872</b>	<b>13,536</b>	<b>13,713</b>
Capital Improvement Projects	13,326	12,924	12,268	11,626	9,009	21,179	16,674	15,526	10,816	6,622	3,967	2,599
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital</b>	<b>13,326</b>	<b>12,924</b>	<b>12,268</b>	<b>11,626</b>	<b>9,009</b>	<b>21,179</b>	<b>16,674</b>	<b>15,526</b>	<b>10,816</b>	<b>6,622</b>	<b>3,967</b>	<b>2,599</b>
<b>Total Discretionary Funds</b>	<b>26,753</b>	<b>34,691</b>	<b>33,055</b>	<b>32,467</b>	<b>24,113</b>	<b>22,322</b>	<b>17,598</b>	<b>15,757</b>	<b>14,086</b>	<b>21,494</b>	<b>17,503</b>	<b>16,312</b>
Expansion Fund (Restricted)	-	-	-	378	-	-	-	-	-	-	-	-
<b>Total Restricted Funds</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>378</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL ALL FUNDS</b>	<b>26,753</b>	<b>34,691</b>	<b>33,055</b>	<b>32,845</b>	<b>24,113</b>	<b>22,322</b>	<b>17,598</b>	<b>15,757</b>	<b>14,086</b>	<b>21,494</b>	<b>17,503</b>	<b>16,312</b>

**DEVELOPMENT WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>
<b><u>Phone Requests</u></b>													
Maps/Drawings	2	3	1	7	1	4	2	2	2	1	1	1	3
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	0
Policy Questions	5	-	-	3	3	1	3	1	1	0	2	2	1
Development Questions	29	24	36	45	31	48	45	30	38	42	26	36	37
Miscellaneous	8	5	6	7	6	13	14	11	8	6	4	8	3
<b>TOTAL</b>	<b>44</b>	<b>32</b>	<b>43</b>	<b>62</b>	<b>41</b>	<b>66</b>	<b>64</b>	<b>44</b>	<b>49</b>	<b>49</b>	<b>33</b>	<b>47</b>	<b>44</b>
<b><u>Counter Requests</u></b>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	20	7	10	10	15	8	7	13	13	7	10	6	10
Policy Questions	1	-	-	-	-	-	-	-	-	-	-	-	-
Development Questions	2	-	-	-	2	-	-	-	3	-	-	-	-
Miscellaneous	1	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>24</b>	<b>7</b>	<b>10</b>	<b>10</b>	<b>17</b>	<b>8</b>	<b>7</b>	<b>13</b>	<b>16</b>	<b>7</b>	<b>10</b>	<b>6</b>	<b>10</b>
<b><u>Initial Request (Referrals)</u></b>	<b>8</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>17</b>	<b>10</b>	<b>8</b>	<b>15</b>	<b>9</b>	<b>14</b>	<b>9</b>	<b>13</b>
<b><u>Connection Permits Issued</u></b>													
Residential Permits	6	6	14	10	6	6	10	2	6	11	4	5	1
Commercial Permits	2	1	-	1	6	1	1	1	5	6	1	3	4
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PERMITS</b>	<b>8</b>	<b>7</b>	<b>14</b>	<b>11</b>	<b>12</b>	<b>7</b>	<b>11</b>	<b>3</b>	<b>11</b>	<b>17</b>	<b>5</b>	<b>8</b>	<b>5</b>
Residential Units	6	56	20	16	6	5	10	13	13	15	38	3	1
Commercial Units	2	1	-	20	6	1	1	1	-	4	3	2	2
<b>TOTAL UNITS</b>	<b>8</b>	<b>57</b>	<b>20</b>	<b>36</b>	<b>12</b>	<b>6</b>	<b>11</b>	<b>14</b>	<b>13</b>	<b>19</b>	<b>41</b>	<b>5</b>	<b>3</b>
<b><u>Annexations</u></b>													
Submitted	-	1	-	-	2	-	-	-	1	-	1	1	-
Acreage	-	0.50	-	-	18.2	-	-	-	36.06	-	8.50	293	-
<b><u>Plans Reviewed</u></b>													
<b><u>Subdivisions/Sites</u></b>													
First Submittal	12	7	13	12	12	9	8	5	8	8	1	6	5
Second Submittal	4	8	9	10	11	4	10	1	8	9	1	1	1
Third Submittal	3	2	4	8	4	6	8	7	5	8	4	3	1
<b><u>Building/Tenant Improvements</u></b>													
First Submittal	9	5	4	9	5	9	2	4	7	6	6	1	5
Second Submittal	6	4	2	10	4	5	4	3	1	4	2	6	1
Third Submittal	5	3	7	8	1	5	3	3	4	-	-	6	2
<b><u>Miscellaneous Plan Reviews</u></b>													
<b>TOTAL PLANS REVIEWED</b>	<b>39</b>	<b>29</b>	<b>39</b>	<b>57</b>	<b>37</b>	<b>38</b>	<b>35</b>	<b>23</b>	<b>33</b>	<b>35</b>	<b>14</b>	<b>23</b>	<b>15</b>

**INSPECTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	3	3	-	-	1	2	2	-	-	-	-	-	1
Inspections - Mains	-	-	6	5	2	-	-	7	3	3	2	-	-
Inspections - Manholes	37	-	6	-	6	6	6	5	6	3	4	-	-
Inspections - Laterals	13	48	32	9	12	12	8	12	8	9	7	5	12
Inspections - Cleanouts	35	90	4	2	3	5	11	9	13	10	10	7	9
Inspections - Review Video	4	2	-	2	2	3	2	4	-	-	-	3	-
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	1	-	-	-	1	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>92</b>	<b>143</b>	<b>48</b>	<b>18</b>	<b>26</b>	<b>29</b>	<b>29</b>	<b>37</b>	<b>30</b>	<b>26</b>	<b>23</b>	<b>15</b>	<b>22</b>
<b><u>MISCELLANEOUS</u></b>													
Meter Readings	-	4	-	-	-	-	-	-	-	-	4	-	4
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	15	14	24	30	26	46	35	27	35	34	33	12	-
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>15</b>	<b>18</b>	<b>24</b>	<b>30</b>	<b>26</b>	<b>46</b>	<b>35</b>	<b>27</b>	<b>35</b>	<b>34</b>	<b>37</b>	<b>12</b>	<b>4</b>
<b><u>SPECIAL PROJECTS</u></b>	<b>11</b>	<b>26</b>	<b>23</b>	<b>22</b>	<b>23</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>21</b>	<b>20</b>	<b>20</b>	<b>14</b>	<b>50</b>

**POLLUTION PREVENTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>
<b><u>Outreach Activities</u></b>													
Plant Tours Conducted	0	0	0	0	0	0	0	0	0	0	0	0	0
Presentations Made	1	0	0	0	0	1	0	0	0	2	2	4	4
<b>Total Outreach Activities</b>	1	-	-	-	-	1	-	-	-	2	2	4	4
<b><u>Inspections Conducted</u></b>													
Food Service Facilities	21	-	-	-	-	-	-	-	-	-	-	-	11
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Inspections</b>	21	-	-	-	-	-	-	-	-	-	-	-	11
<b><u>Compliance Issues</u></b>													
NOVs Issued	-	-	-	-	1	-	-	-	1	-	1	-	-
NOEs Issued	1	1	1	1	-	-	1	1	-	-	1	-	-
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Compliance Issues</b>	1	1	1	1	1	-	1	1	1	-	2	-	-
<b><u>Pollution Prevention</u></b>													
Clothes Washer Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	-	-	-	-	-	-	-	2,108	-	-	-	-	-

**RECYCLED WATER DELIVERIES - MONTHLY**

	Acres	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
<b>MONTHLY (MG)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	20.366	24.765	52.367	75.187	74.385	62.144	45.656	25.052	21.811	8.095	1.109	4.210	17.697
Cemeteries	57.1	3.078	3.422	3.965	4.958	5.192	5.091	4.257	4.064	2.374	1.421	0.489	0.548	0.864
Parks	18.5	0.001	-	0.271	1.188	1.670	1.142	0.691	0.638	0.274	0.046	-	0.007	-
Schools	12.6	0.685	0.716	2.146	2.341	2.926	2.583	1.995	1.372	0.827	0.071	0.006	-	0.097
Commerical	166.5	9.845	9.241	13.725	15.874	20.068	18.844	14.144	13.084	8.985	3.651	1.948	1.108	4.228
Vineyards	3,442.0	46.305	17.728	19.191	24.276	51.661	68.013	36.009	16.738	7.086	15.696	16.117	41.694	36.227
Trucked Water	175.0	0.415	1.147	3.612	3.079	1.988	3.988	2.748	2.104	1.251	1.681	0.134	0.238	1.460
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>80.694</b>	<b>57.018</b>	<b>95.277</b>	<b>126.903</b>	<b>157.889</b>	<b>161.805</b>	<b>105.500</b>	<b>63.053</b>	<b>42.607</b>	<b>30.663</b>	<b>19.803</b>	<b>47.806</b>	<b>60.575</b>
<b>District Use</b>														
Jameson	330.0	-	-	-	-	1.479	1.146	1.271	-	-	-	-	-	-
Somky	213.0	0.026	0.080	5.408	13.369	14.836	10.491	2.855	0.547	0.254	0.133	0.001	-	0.013
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>0.026</b>	<b>0.080</b>	<b>5.408</b>	<b>13.369</b>	<b>16.315</b>	<b>11.638</b>	<b>4.126</b>	<b>0.547</b>	<b>0.254</b>	<b>0.133</b>	<b>0.001</b>	<b>-</b>	<b>0.013</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>80.720</b>	<b>57.098</b>	<b>100.686</b>	<b>140.271</b>	<b>174.204</b>	<b>173.443</b>	<b>109.626</b>	<b>63.600</b>	<b>42.861</b>	<b>30.796</b>	<b>19.803</b>	<b>47.806</b>	<b>60.588</b>
<b>ANNUAL (AF)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	1,104	1,151	1,232	1,283	1,297	1,288	1,275	1,254	1,271	1,296	1,299	1,274	1,266
Cemeteries	57.1	110	116	117	121	120	118	117	117	115	118	119	119	112
Parks	18.5	15	15	15	16	19	18	17	17	18	18	18	18	18
Schools	12.6	35	37	40	42	45	47	48	49	49	49	49	48	46
Commerical	166.5	373	386	396	407	412	415	410	408	400	404	407	401	383
Vineyards	3,442.0	621	665	705	748	842	919	945	954	954	955	995	1,106	1,075
Trucked Water	175.0	27	31	40	48	50	58	62	64	65	69	68	69	72
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>2,286</b>	<b>2,401</b>	<b>2,546</b>	<b>2,666</b>	<b>2,785</b>	<b>2,864</b>	<b>2,874</b>	<b>2,864</b>	<b>2,872</b>	<b>2,909</b>	<b>2,955</b>	<b>3,035</b>	<b>2,973</b>
<b>District Use</b>														
Jameson	330.0	2	2	2	2	6	8	12	12	12	12	12	12	12
Somky	213.0	273	273	282	286	279	232	178	160	147	147	147	147	147
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>274</b>	<b>274</b>	<b>283</b>	<b>288</b>	<b>285</b>	<b>240</b>	<b>190</b>	<b>172</b>	<b>159</b>	<b>160</b>	<b>159</b>	<b>159</b>	<b>159</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>2,561</b>	<b>2,675</b>	<b>2,830</b>	<b>2,953</b>	<b>3,070</b>	<b>3,104</b>	<b>3,064</b>	<b>3,036</b>	<b>3,031</b>	<b>3,068</b>	<b>3,115</b>	<b>3,194</b>	<b>3,133</b>

**BIOSOLIDS HANDLING - MONTHLY**

<b>Site</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>
<u>Land Applied by NSD</u>													
Somky													
Fagundes								22	53				
Jameson Canyon	-	26	103	234	49	165	201	85					
<b>Subtotal by NSD</b>	-	26	103	234	49	165	201	107	53	-	-	-	-
<u>Land Applied by Contractor</u>													
Somky					893	1,277	838	590					
Fagundes													
Jameson Canyon													
<b>Subtotal by Contractor</b>	-	-	-	-	893	1,277	838	590	-	-	-	-	-
<b>Total Land Applied</b>	-	26	103	234	942	1,442	1,039	697	53	-	-	-	-
<b>Off Site (Contractor)</b>													
<b>Total (tons)</b>	-	26	103	234	942	1,442	1,039	697	53	-	-	-	-



**COLLECTION SYSTEM MAINTENANCE - MONTHLY**

<b>CATEGORY</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>
<b><u>Plugups</u></b>													
<b>Total Calls</b>	35	31	37	34	23	47	29	62	56	59	48	41	54
Business Hours	22	23	25	25	17	28	19	43	37	39	37	29	39
After Hours	13	8	12	9	6	19	10	19	19	20	11	12	15
District's	13	5	9	8	8	17	10	19	18	13	17	15	20
Property Owner's	22	26	28	26	15	30	19	42	38	46	31	26	34
Plugged Main Lines		-	-	-	1	-	-	1	-	-	-	-	3
Run Lateral w/Eel	124	17	56	194	222	151	215	63	120	69	73	69	62
<b><u>Cleaning (feet of sewer)</u></b>													
Vactor #1	68,243	36,849	18,947	39,019	45,066	2,936	34,338	46,255	28,507	31,186	40,675	29,419	48,016
Vactor #2	29,691	44,336	119,112	50,948	31,916	53,184	38,654	14,202	19,789	35,938	23,525	15,887	8,590
Hydro			42,241	-	-	-	-	-	-	1,968	-	-	166
Rodder		2,915	-	-	-	694	-	-	-	-	1,433	-	-
<b>Total (feet)</b>	<b>97,933</b>	<b>84,100</b>	<b>180,301</b>	<b>89,967</b>	<b>76,982</b>	<b>56,814</b>	<b>72,992</b>	<b>60,457</b>	<b>48,296</b>	<b>69,092</b>	<b>65,633</b>	<b>45,306</b>	<b>56,772</b>
<b><u>Cleaning Days</u></b>													
Vactor #1	16	10	9	17	17	3	10	16	12	12	16	13	19
Vactor #2	8	11	17	16	11	17	11	6	8	10	8	6	3
Hydro			4	-	-	-	-	-	-	1	-	-	1
Rodder		2		-	-	1	-	-	-	-	3	-	-
<b>Feet/day</b>	<b>4,100</b>	<b>3,650</b>	<b>6,000</b>	<b>2,750</b>	<b>2,750</b>	<b>2,700</b>	<b>3,500</b>	<b>2,750</b>	<b>2,400</b>	<b>3,000</b>	<b>2,450</b>	<b>2,400</b>	<b>2,450</b>
Vactor #1	4,250	3,700	2,100	2,300	2,650	1,000	3,450	2,900	2,400	2,600	2,550	2,250	2,550
Vactor #2	3,700	4,050	7,000	3,200	2,900	3,150	3,500	2,350	2,450	3,600	2,950	2,650	2,850
Hydro			10,550							1,950			150
Rodder	-	1,450				700					500	-	-
<b><u>Video Inspections</u></b>													
Mains (feet)	26,158	6,798	27,649	16,016	24,214	22,515	19,796	26,009	28,717	18,657	28,757	22,463	36,064
Laterals (each)	206	75	109	239	270	210	259	184	204	227	219	233	228
<b><u>Construction (each)</u></b>													
Cleanouts	15	1	3	12	9	15	21	8	12	7	11	7	8
Laterals	4	-	4	19	6	25	23	20	9	6	6	6	7
Mains	-	-	-	-	-	-	1	4	3	1	-	1	-
Manholes	5	-	-	-	1	-	-	3	-	-	-	1	1
Other	-	-	-	-	-	-	5	25	-	-	-	-	-
<b><u>USA Markings</u></b>													
Regular (w/in 2 days)	232	258	260	284	278	297	281	278	246	185	204	252	741
Emergency (w/in 2 hours)	11	36	14	13	10	18	12	13	13	15	10	13	19



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

<b>CATEGORY</b>	<b>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>	<b>Sep-20</b>	<b>Oct-20</b>	<b>Nov-20</b>	<b>Dec-20</b>	<b>Jan-21</b>	<b>Feb-21</b>	<b>Mar-21</b>
<b><u>Scheduled</u></b>													
Old	5	6	9	39	25	26	40	39	24	31	20	25	26
New	90	110	102	91	107	88	98	109	83	82	88	76	95
Completed	89	107	72	105	106	74	99	124	76	93	83	75	95
<b>New Balance</b>	<b>6</b>	<b>9</b>	<b>39</b>	<b>25</b>	<b>26</b>	<b>40</b>	<b>39</b>	<b>24</b>	<b>31</b>	<b>20</b>	<b>25</b>	<b>26</b>	<b>26</b>
<b><u>Unscheduled</u></b>													
Old	23	16	14	17	21	21	23	30	35	34	31	28	20
New	15	8	20	33	23	21	24	16	19	30	33	17	30
Completed	22	10	17	29	23	19	17	11	20	33	36	25	24
<b>New Balance</b>	<b>16</b>	<b>14</b>	<b>17</b>	<b>21</b>	<b>21</b>	<b>23</b>	<b>30</b>	<b>35</b>	<b>34</b>	<b>31</b>	<b>28</b>	<b>20</b>	<b>26</b>
<b><u>Total Work Orders</u></b>													
Old	28	22	23	56	46	47	63	69	59	65	51	53	46
New	105	118	122	124	130	109	122	125	102	112	121	93	125
Completed	112	118	90	135	130	93	116	133	96	126	119	100	119
<b>New Balance</b>	<b>22</b>	<b>23</b>	<b>56</b>	<b>46</b>	<b>47</b>	<b>63</b>	<b>69</b>	<b>59</b>	<b>65</b>	<b>51</b>	<b>53</b>	<b>46</b>	<b>52</b>
<b><u>LAB ANALYSES</u></b>													
<b>Sample Type</b>													
Regulatory	213	237	140	172	220	189	141	191	221	328	209	204	219
Process Control	1,058	1,015	708	815	776	772	700	906	960	1,644	986	918	968
Special Request	16	12	20	140	38	51	31	10	301	42	9	-	-
Quality Control/Assurance	1,043	1,058	595	622	661	674	577	727	928	1,662	929	878	962
<b>TOTAL</b>	<b>2,330</b>	<b>2,322</b>	<b>1,463</b>	<b>1,749</b>	<b>1,695</b>	<b>1,686</b>	<b>1,449</b>	<b>1,834</b>	<b>2,410</b>	<b>3,676</b>	<b>2,133</b>	<b>2,000</b>	<b>2,149</b>

**Summary of NSD Capital Project Status  
through 03-31-21**

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
<b><u>COLLECTION SYSTEM - PROJECTS</u></b>									
13701	Main Line Sewer Rehab	62,100			62,100	-	13,245	48,855	21%
13702	Manhole Raising/Rehab	250,000			250,000	-	11,856	238,144	5%
13703	Lateral Replacement/Rehab	113,900			113,900	-	91,962	21,938	81%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	52,325	46,375	53%
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	4,929,632	13,088,829	1,715,489	66%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	119,045	133,404	14,151	50%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	6,714,519	228,327	8,143,704	2%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	2,346,954	3,535,678	308,768	57%
19727	Coll Sys Master Plan	-	100,000		100,000	-	8,832	91,168	9%
20702	Manhole Rehabilitation	250,000			250,000	39,230	921	209,849	0%
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	3,147,123	84,239	195,188	2%
21701	2022 Collection System Rehab	20,000			20,000	-	1,205	18,795	6%
21718	NN Siphon Gate Replacement	-	-	25,000	25,000	15,725	199	9,076	1%
<b><u>COLLECTION SYSTEM - EQUIPMENT</u></b>									
21702	Pickup-mounted Camera Sys	65,000		12,000	77,000	-	75,069	1,931	97%
<b><u>COLLECTION SYSTEM - LIFT STATIONS</u></b>									
17711	West Napa PS - Rehab	5,500,000	4,546,450		10,046,450	5,639,746	2,977,997	1,428,707	30%
19705	Stonecrest PS Pump Rebuild	-	24,850		24,850	-	-	24,850	-
21703	River Park Pump Rebuild	19,300			19,300	-	-	19,300	-
<b><u>TREATMENT - PROJECTS</u></b>									
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	426,461	316,646	493,244	26%
20707	Pond Levee Repair	700,000	9,150		709,150	468,227	183,675	57,248	26%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	758,740	183,233	465,627	13%
<b><u>TREATMENT - EQUIPMENT</u></b>									
13735	Dual Fuel Boiler Burner	-	55,750		55,750	-	32,907	22,843	59%

**Summary of NSD Capital Project Status  
through 03-31-21**

<b>Proj #</b>	<b>Description (shortened)</b>	<b>FY 20/21 Budget</b>	<b>FY 19/20 Carry Forwards</b>	<b>Adj.</b>	<b>Final FY 20/21 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
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	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	14,436	8,413	2,151	34%
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	2,455	64,084	13,461	80%
20716	Plant Door Replacement PH 1	-	22,200	8,000	30,200	-	11,875	18,325	39%
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	-	-	110,900	-
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	86,359	-	(55,359)	-
	<b><u>LAB - EQUIPMENT</u></b>								
21711	Autoclave Rplcmnt	34,400			34,400	14,295	-	20,105	-
21712	Sampler 4700 Rplcmnt	10,400			10,400	7,846	-	2,554	-
	<b><u>SCADA</u></b>								
18729	SCADA MP Proj 1 Ntwk Mntnrg	-	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 03-31-21**

<b>Proj #</b>	<b>Description (shortened)</b>	<b>FY 20/21 Budget</b>	<b>FY 19/20 Carry Forwards</b>	<b>Adj.</b>	<b>Final FY 20/21 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
21714	Alarm Evaluation & Programming	25,000			25,000	-	-	25,000	-
	<b><u>RECYCLING - PROJECTS</u></b>								
18731	Coombsville Truck Fill Station	-	112,100		112,100	-	83,782	28,318	75%
20721	Kirkland RW Pipeline Rehab	-	12,900		12,900	95	6,855	5,950	53%
	<b><u>RECYCLING - EQUIPMENT</u></b>								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700	-	-	30,700	-
20722	Badger Meter Replacement	-	80,000		80,000	-	35,913	44,087	45%
21715	Soscol Recycle Pump #2 Rehab	160,700			160,700	-	-	160,700	-
21716	Veh 174 - Ford F-350 SB	75,700			75,700	-	1,412	74,288	2%
21717	Veh 723 - Water Trailer	42,800			42,800	-	5,137	37,663	12%
	<b><u>OTHER</u></b>								
13729	Development Technical Support	348,800			348,800	-	173,608	175,192	50%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000	20,000	40,000	-	-	40,000	-
		<b>\$43,246,800</b>	<b>\$22,656,650</b>	<b>-</b>	<b>\$65,903,450</b>	<b>\$25,347,266</b>	<b>\$24,582,468</b>	<b>\$15,973,713</b>	<b>37%</b>