



**Napa Sanitation District**

**General Manager's Report**

**for**

**February 2021**

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## NAPA SANITATION DISTRICT

## General Manager's Report

**DATE:** April 7, 2021

**FROM:** Timothy B. Healy, General Manager

**SUBJECT:** General Manager's Report for February 2021

### **REGULATORY COMPLIANCE:**

Collection System Compliance:	0 Category 1 SSO's, 0 Category 2 SSO's, and 3 Category 3 SSO's
NPDES Permit (WWTP) Compliance:	Full compliance with all regulations
Air Quality Compliance:	Full compliance with all regulations
Recycled Water Compliance:	Full compliance with all regulations
Biosolids Compliance:	Full compliance with all regulations
Significant Comments:	None

### **FISCAL STATUS:**

Period Covered:	July 1, 2020 – February 28, 2021
Percent Fiscal Year:	66.7%
Operating Expenditures to date:	50.1%
Historical Expenditures to date:	66.6%
Significant Comments:	None

### **PERSONNEL:**

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

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	None
Injuries:	Injury to elbow, no lost-time accident.

### **COLLECTIONS:**

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 3 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm drainpipe that was not fully recovered and returned to the sanitary sewer system. A Category 2 is defined as an SSO that is equal to or greater than 1,000 gallons that did not reach a surface water. A Category 3 is defined as an SSO that is less than 1,000 gallons

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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 2 cleanouts and repaired 5 cleanouts. They also repaired 4 laterals and lined 2 laterals. The repair crew also made 1 main line repair. Additionally, the service response/programs crew completed 106 work orders in support of the grease and odor control program, responded to 41 customer requests for service (15 were NSD problem) and closed out 265 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 69 laterals, cleaned approximately 45,305.6 feet of main line and CCTV inspected 123 laterals. In addition, the CCTV truck televised 22,463.4 feet of mainline.

### **TREATMENT PLANT:**

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

#### Plant Operations:

- For February 2021, the plant's influent flow was 207.1 MG as compared to last year flow for February 2020 of 187.6 MG
- There was 1.34" rainfall for February 2021 (Carneros Rainfall Center) as compared to 0.00" rainfall for February 2020.
- Pond 4 end of the month recorded level reading was 84.44".

#### Power Consumption and Production:

- February 2021 power purchased from PG&E was 317 MWH in comparison to February 2020 purchase of 295 MWH.
- Cogeneration unit ran 670 of 672 hours for the month – 99.70% uptime, averaging 326.57 Kw, producing 219 MWH of energy
- Solar generation in February 2021 was 115 MWH, compared to 86 MWH in January and 136 MWH in February 2020. The solar provider is working to replace a few failed inverters.

### **Maintenance:**

Significant events for the month of February 2021:

#### Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Replaced Bio-assay SC200 controller
- Installed ceramic bearings in Secondary Pump #3 Motor
- Replaced belts on Primary #1 exhaust fan

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- Service water filter #2/replaced micro switches
- Replaced DAF alarm beacon and belts on DAF air compressor 301
- AB4 RAS pump #2 VFD/replaced internal fan
- South Telemetry/replaced iNET900 radio on top of Digester Tower/replaced batteries in Digester Tower UPS
- AB4 air flow meter/replaced fuse in sensor head

### Projects

- Installed new lighting at CCB3 gallery sumps
- Admin green storage unit/added ventilation
- Upgraded lighting in oil shed building and Septage basement

### 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 February, 2021. All parameters were monitored at the required frequencies. The following were notable sampling events:

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

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

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

- February 3, 2021: Metals, Mercury, Cyanide, Nutrients

### **RECYCLING:**

Significant events in the Recycling Department for February 2021 include:

- Recycled water delivered for the month of February 2021 was (47.806 million gallons), as compared to February 2020 (21.795 million gallons) is higher from the previous year due to vineyard reservoir filling. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued wet weather biosolids encapsulating at the Somky Ranch.
- Staff approved the connection of two recycled water services in the Napa Airport Centre area. Napa County Sheriff's Department landscape and Napa County Greenwood Fire station landscape irrigation were connected on the same day.

### **POLLUTION PREVENTION:**

Significant events in the Pollution Prevention and Outreach Division for February 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 began initial outreach for the Summer 2021 Collection System Rehabilitation Project.
- The Prop 218 notices and informational brochures were mailed to all NapaSan's customers.
- Staff continued working with Katz & Associates to plan and conduct outreach regarding the rate study and upcoming Prop 218 process. Meetings were held with the Napa Chamber of Commerce, Napa Valley Community Housing, and the Napa Register Editorial Board. The first Public Information Session regarding rates was held as a webinar on February 25<sup>th</sup>.
- 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 February 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.
- The construction contract was awarded for the 66-inch Trunk Sewer Rehabilitation Project.

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- Staff awarded the construction contract to the contractor for the Pond Levee Maintenance Project
- Contractor continued construction of the Sanitary Sewer Manhole Adjustment Project, Phase X
- Staff received and opened bids, and the construction contract was awarded for the 2021 Treatment Plant Improvements Project.
- Consultant completed the Collection System Master Plan.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 23 sets of development plans and deemed 8 sets of plans complete. The approved plans consisted of 1 commercial building, 1 mainline extension, 3 residential dwellings and 3 tenant improvements.

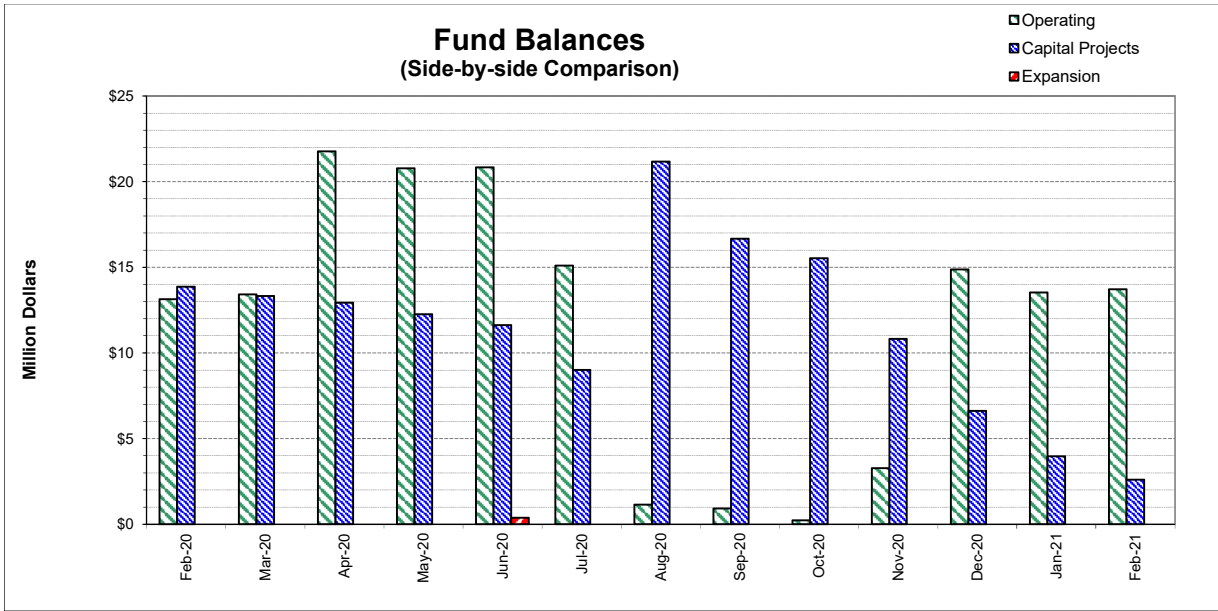
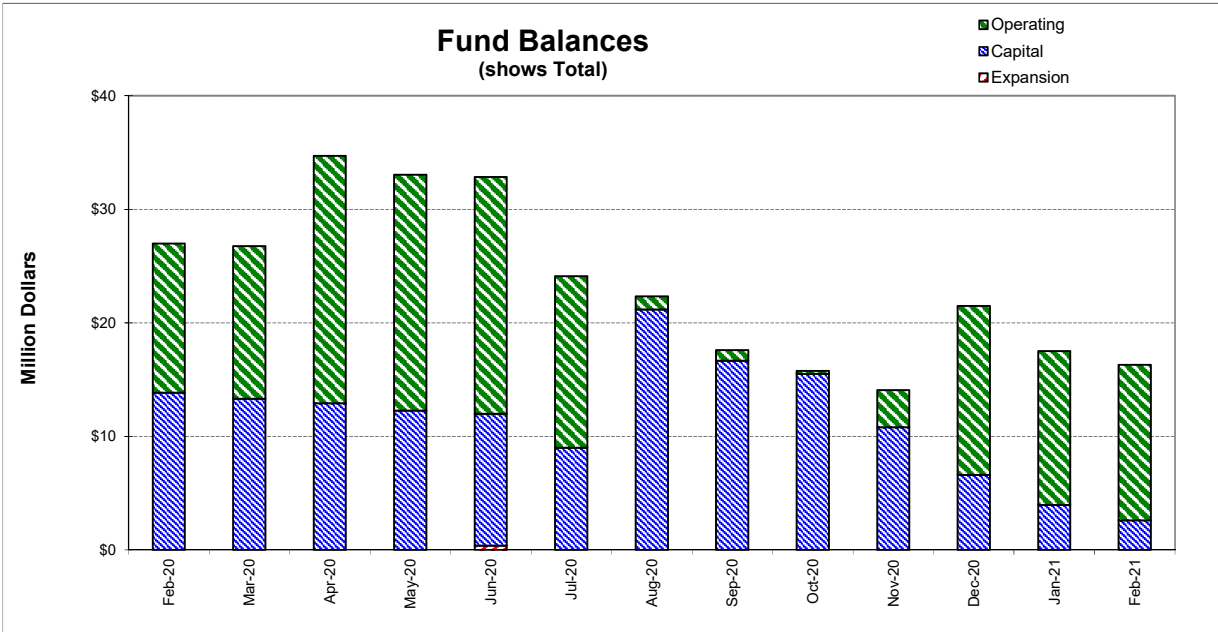
**Budget Status & Cash Summary - July 1, 2020 - February 28, 2021 (66.7% of the year)**

<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	\$5,732,189	\$5,735,679	\$3,854,621	59.8%
Services & Supplies	6,428,900	1,080,850	3,524,485	4,605,334	1,823,566	71.6%
Taxes	42,400	-	17,110	17,110	25,290	40.4%
Debt Service	4,588,000	-	4,492,172	4,492,172	95,829 (1)	97.9%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
<b>Total Operating:</b>	<b>\$29,649,600</b>	<b>\$1,084,339</b>	<b>\$13,765,955</b>	<b>\$14,850,294</b>	<b>\$14,799,306 (2)</b>	<b>50.1%</b>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$65,903,450	\$19,779,958	\$23,244,194	\$43,024,152	\$22,879,298 (3)	65.3%
Intrafund Transfers	1,992,000	-	1,503,226	1,503,226	488,774	75.5%
<b>Total Capital :</b>	<b>\$67,895,450</b>	<b>\$19,779,958</b>	<b>\$24,747,420</b>	<b>\$44,527,378</b>	<b>\$23,368,072</b>	<b>65.6%</b>
<b>Grand Total Expenditures:</b>	<b>\$97,545,050</b>	<b>\$20,864,297</b>	<b>\$38,513,375</b>	<b>\$59,377,672</b>	<b>\$38,167,378</b>	<b>60.9%</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		\$341,196	\$341,196	(\$16,196)	105.0%
Charges for Services	32,433,000		19,641,710	19,641,710	12,791,290	60.6%
Miscellaneous Revenues	62,000		69,261	69,261	(7,261)	111.7%
Donations/Contributions (Capital Labor)	-		540,743	540,743	(540,743) (4)	N/A
<b>Total Operating:</b>	<b>\$32,820,000</b>		<b>\$20,592,910</b>	<b>\$20,592,910</b>	<b>\$12,227,090</b>	<b>62.7%</b>
<b>Capital</b>						
Use of Money/Property	\$0		\$921	\$921	(\$921)	N/A
Capacity Charges	1,992,000		1,131,170	1,131,170	860,830	56.8%
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		1,503,226	1,503,226	9,488,774	13.7%
<b>Total Capital:</b>	<b>\$40,263,900</b>		<b>\$14,478,990</b>	<b>\$14,478,990</b>	<b>\$25,784,910</b>	<b>36.0%</b>
<b>Grand Total Revenue:</b>	<b>\$73,083,900</b>		<b>\$35,071,901</b>	<b>\$35,071,901</b>	<b>\$38,011,999</b>	<b>48.0%</b>

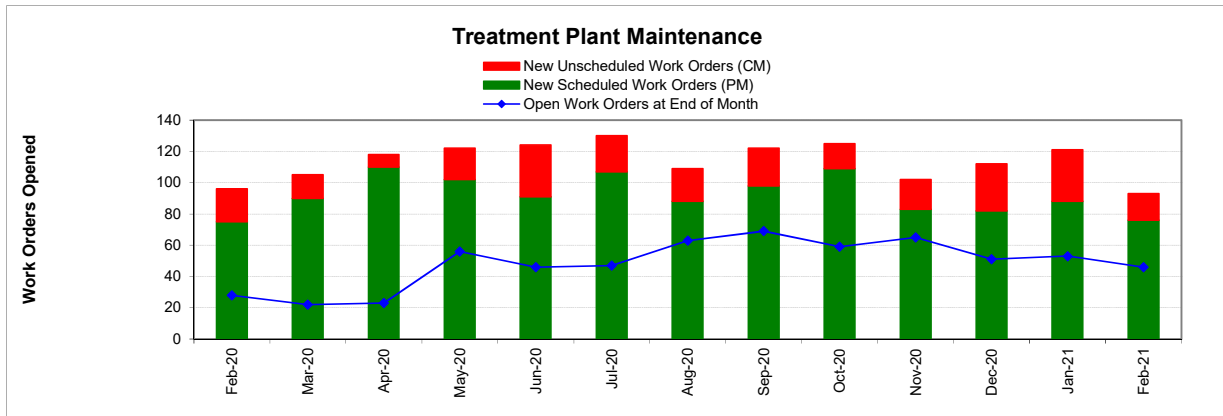
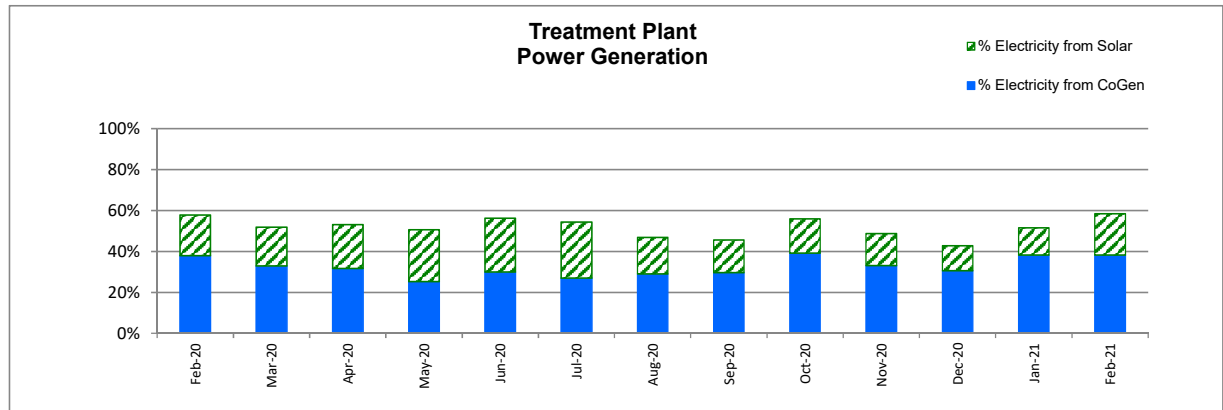
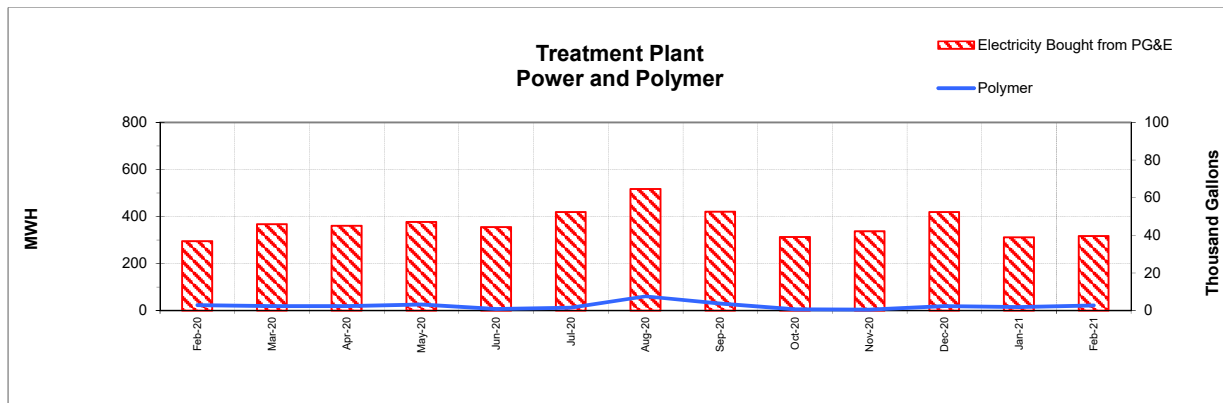
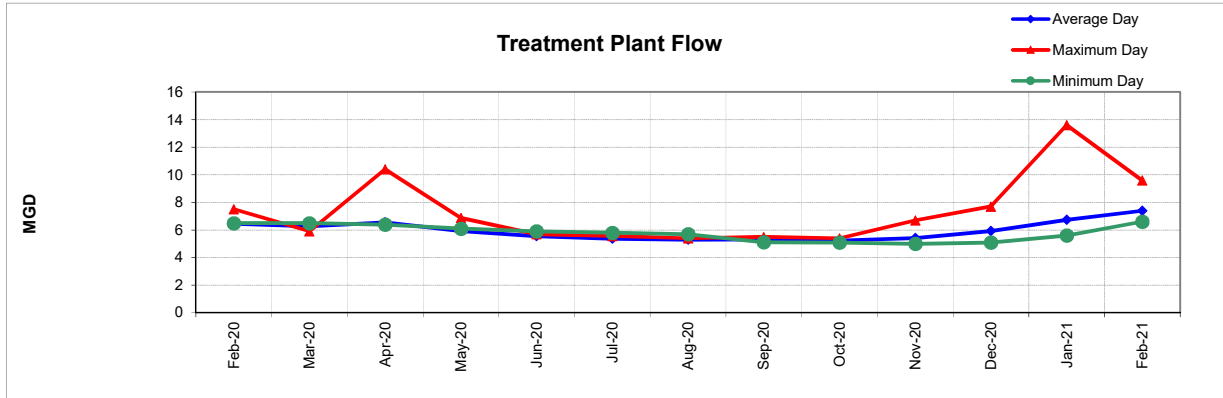
**Cash on Hand as of 02/28/21** **\$16,312,038**

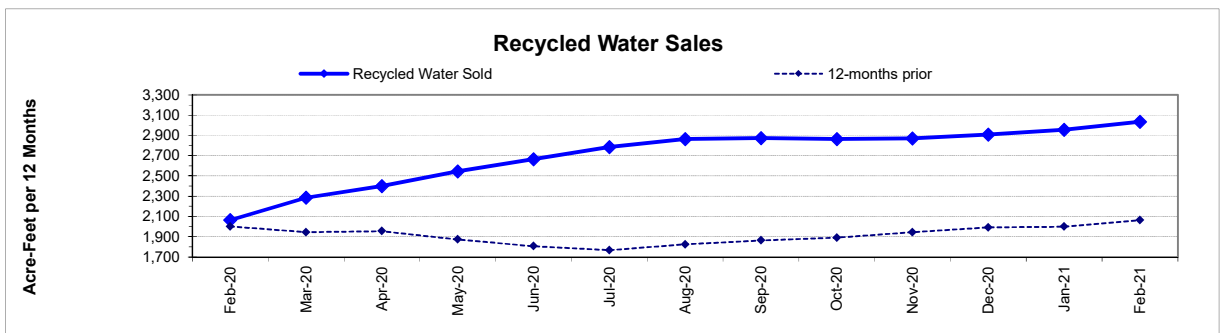
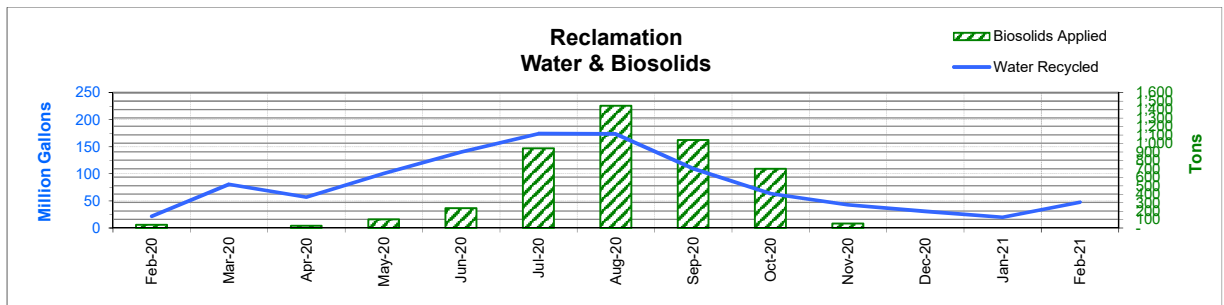
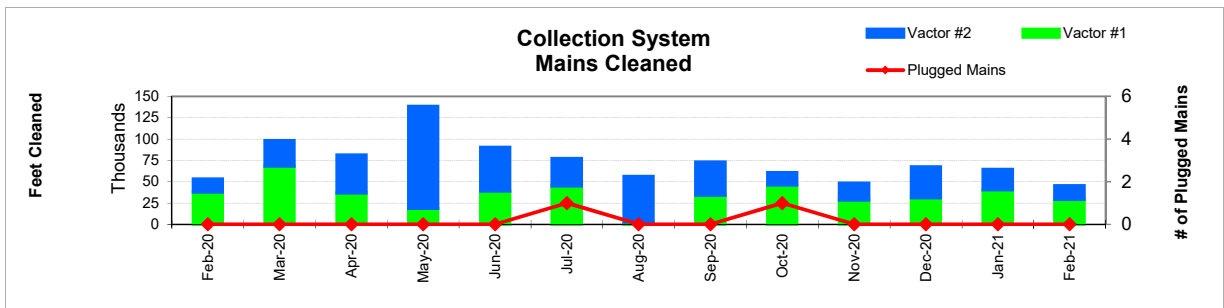
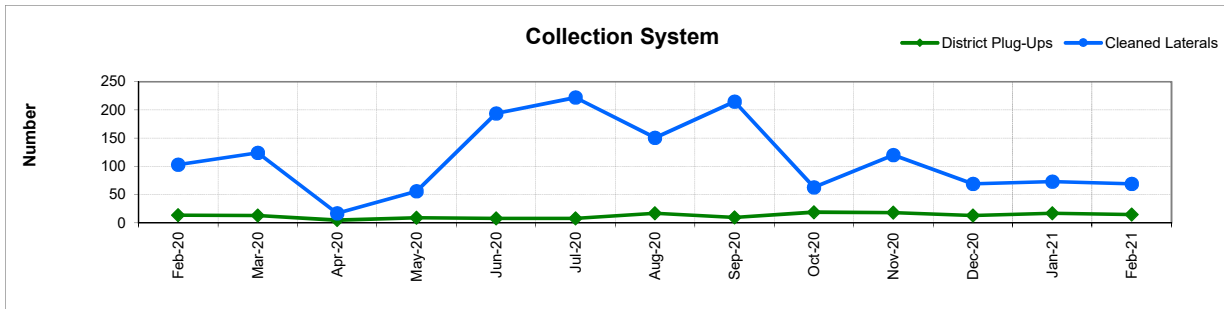
\*\*excluding Debt Service restricted funds  
02/28/21 -Effective Rate of Return = 1.13%

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 64.5%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)









**FUND BALANCES - MONTHLY**

<b>CATEGORY</b>	<b>Feb-20</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	13,136	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>13,136</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	13,860	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>13,860</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>26,996</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>-</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>26,996</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

CATEGORY	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<b><u>Phone Requests</u></b>													
Maps/Drawings	5	2	3	1	7	1	4	2	2	2	1	1	1
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	5	5	-	-	3	3	1	3	1	1	0	2	2
Development Questions	38	29	24	36	45	31	48	45	30	38	42	26	36
Miscellaneous	12	8	5	6	7	6	13	14	11	8	6	4	8
<b>TOTAL</b>	<b>60</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><u>Counter Requests</u></b>													
Maps/Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	19	20	7	10	10	15	8	7	13	13	7	10	6
Policy Questions	-	1	-	-	-	-	-	-	-	-	-	-	-
Development Questions	2	2	-	-	-	2	-	-	-	3	-	-	-
Miscellaneous	1	1	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>22</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><u>Initial Request (Referrals)</u></b>	<b>13</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><u>Connection Permits Issued</u></b>													
Residential Permits	22	6	6	14	10	6	6	10	2	6	11	4	5
Commercial Permits	-	2	1	-	1	6	1	1	1	5	6	1	3
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PERMITS</b>	<b>22</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>
Residential Units	13	6	56	20	16	6	5	10	13	13	15	38	3
Commercial Units	-	2	1	-	20	6	1	1	1	-	4	3	2
<b>TOTAL UNITS</b>	<b>13</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><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	5	12	7	13	12	12	9	8	5	8	8	1	6
Second Submittal	7	4	8	9	10	11	4	10	1	8	9	1	1
Third Submittal	5	3	2	4	8	4	6	8	7	5	8	4	3
<b><u>Building/Tenant Improvements</u></b>													
First Submittal	9	9	5	4	9	5	9	2	4	7	6	6	1
Second Submittal	2	6	4	2	10	4	5	4	3	1	4	2	6
Third Submittal	2	5	3	7	8	1	5	3	3	4	-	-	6
<b><u>Miscellaneous Plan Reviews</u></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 PLANS REVIEWED</b>	<b>30</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>

# INSPECTION WORKLOAD - MONTHLY

CATEGORY	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	4	3	3	-	-	1	2	2	-	-	-	-	-
Inspections - Mains	-	-	-	6	5	2	-	-	7	3	3	2	-
Inspections - Manholes	16	37	-	6	-	6	6	6	5	6	3	4	-
Inspections - Laterals	8	13	48	32	9	12	12	8	12	8	9	7	5
Inspections - Cleanouts	32	35	90	4	2	3	5	11	9	13	10	10	7
Inspections - Review Video	2	4	2	-	2	2	3	2	4	-	-	-	3
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	1	-	-	-	1	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>62</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><u>MISCELLANEOUS</u></b>													
Meter Readings	1	-	4	-	-	-	-	-	-	-	-	4	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	9	15	14	24	30	26	46	35	27	35	34	33	12
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>10</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><u>SPECIAL PROJECTS</u></b>													
	0	11	26	23	22	23	21	21	22	21	20	20	14

# POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<b><u>Outreach Activities</u></b>													
Plant Tours Conducted	2	0	0	0	0	0	0	0	0	0	0	0	0
Presentations Made	0	1	0	0	0	0	1	0	0	0	2	2	4
<b>Total Outreach Activities</b>	2	1	-	-	-	-	1	-	-	-	2	2	4
<b><u>Inspections Conducted</u></b>													
Food Service Facilities	62	21	-	-	-	-	-	-	-	-	-	-	-
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Inspections</b>	62	21	-	-	-	-	-	-	-	-	-	-	-
<b><u>Compliance Issues</u></b>													
NOVs Issued	-	-	-	-	-	1	-	-	-	1	-	1	-
NOEs Issued	1	1	1	1	1	-	-	1	1	-	-	1	-
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Compliance Issues</b>	1	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	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<b>MONTHLY (MG)</b>														
<b><u>Water Sold</u></b>														
Golf Courses	638.0	12.483	20.366	24.765	52.367	75.187	74.385	62.144	45.656	25.052	21.811	8.095	1.109	4.210
Cemeteries	57.1	0.514	3.078	3.422	3.965	4.958	5.192	5.091	4.257	4.064	2.374	1.421	0.489	0.548
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	0.157	0.685	0.716	2.146	2.341	2.926	2.583	1.995	1.372	0.827	0.071	0.006	-
Commerical	166.5	3.206	9.845	9.241	13.725	15.874	20.068	18.844	14.144	13.084	8.985	3.651	1.948	1.108
Vineyards	3,442.0	5.250	46.305	17.728	19.191	24.276	51.661	68.013	36.009	16.738	7.086	15.696	16.117	41.694
Trucked Water	175.0	0.134	0.415	1.147	3.612	3.079	1.988	3.988	2.748	2.104	1.251	1.681	0.134	0.238
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>21.745</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><u>District Use</u></b>														
Jameson	330.0	-	-	-	-	-	1.479	1.146	1.271	-	-	-	-	-
Somky	213.0	0.050	0.026	0.080	5.408	13.369	14.836	10.491	2.855	0.547	0.254	0.133	0.001	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>0.050</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>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>21.795</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>ANNUAL (AF)</b>														
<b><u>Water Sold</u></b>														
Golf Courses	638.0	1,042	1,104	1,151	1,232	1,283	1,297	1,288	1,275	1,254	1,271	1,296	1,299	1,274
Cemeteries	57.1	102	110	116	117	121	120	118	117	117	115	118	119	119
Parks	18.5	15	15	15	15	16	19	18	17	17	18	18	18	18
Schools	12.6	33	35	37	40	42	45	47	48	49	49	49	49	48
Commerical	166.5	345	373	386	396	407	412	415	410	408	400	404	407	401
Vineyards	3,442.0	500	621	665	705	748	842	919	945	954	954	955	995	1,106
Trucked Water	175.0	26	27	31	40	48	50	58	62	64	65	69	68	69
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>2,064</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><u>District Use</u></b>														
Jameson	330.0	2	2	2	2	2	6	8	12	12	12	12	12	12
Somky	213.0	273	273	273	282	286	279	232	178	160	147	147	147	147
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>274</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>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>2,338</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>

# BIOSOLIDS HANDLING - MONTHLY

Site	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<u>Land Applied by NSD</u>													
Somky													
Fagundes									22	53			
Jameson Canyon	37	-	26	103	234	49	165	201	85				
Subtotal by NSD	37	-	26	103	234	49	165	201	107	53	-	-	-
<u>Land Applied by Contractor</u>													
Somky						893	1,277	838	590				
Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	893	1,277	838	590	-	-	-	-
<b>Total Land Applied</b>	<b>37</b>	<b>-</b>	<b>26</b>	<b>103</b>	<b>234</b>	<b>942</b>	<b>1,442</b>	<b>1,039</b>	<b>697</b>	<b>53</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Off Site (Contractor)</b>													
<b>Total (tons)</b>	<b>37</b>	<b>-</b>	<b>26</b>	<b>103</b>	<b>234</b>	<b>942</b>	<b>1,442</b>	<b>1,039</b>	<b>697</b>	<b>53</b>	<b>-</b>	<b>-</b>	<b>-</b>



# COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<b><u>Plugups</u></b>													
<b>Total Calls</b>	39	35	31	37	34	23	47	29	62	56	59	48	41
Business Hours	25	22	23	25	25	17	28	19	43	37	39	37	29
After Hours	14	13	8	12	9	6	19	10	19	19	20	11	12
District's	14	13	5	9	8	8	17	10	19	18	13	17	15
Property Owner's	24	22	26	28	26	15	30	19	42	38	46	31	26
Plugged Main Lines	-		-	-	-	1	-	-	1	-	-	-	-
Run Lateral w/Eel	103	124	17	56	194	222	151	215	63	120	69	73	69
<b><u>Cleaning (feet of sewer)</u></b>													
Vactor #1	37,916	68,243	36,849	18,947	39,019	45,066	2,936	34,338	46,255	28,507	31,186	40,675	29,419
Vactor #2	15,049	29,691	44,336	119,112	50,948	31,916	53,184	38,654	14,202	19,789	35,938	23,525	15,887
Hydro				42,241	-	-	-	-	-	-	1,968	-	-
Rodder	-		2,915	-	-	-	694	-	-	-	-	1,433	-
<b>Total (feet)</b>	<b>52,965</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><u>Cleaning Days</u></b>													
<b>Total</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>30</b>	<b>33</b>	<b>28</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>20</b>	<b>23</b>	<b>27</b>	<b>19</b>
Vactor #1	15	16	10	9	17	17	3	10	16	12	12	16	13
Vactor #2	5	8	11	17	16	11	17	11	6	8	10	8	6
Hydro				4	-	-	-	-	-	-	1	-	-
Rodder			2		-	-	1	-	-	-	-	3	-
<b><u>Feet/day</u></b>													
<b>Total</b>	<b>2,650</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>
Vactor #1	2,550	4,250	3,700	2,100	2,300	2,650	1,000	3,450	2,900	2,400	2,600	2,550	2,250
Vactor #2	3,000	3,700	4,050	7,000	3,200	2,900	3,150	3,500	2,350	2,450	3,600	2,950	2,650
Hydro				10,550							1,950		
Rodder		-	1,450				700					500	
<b><u>Video Inspections</u></b>													
Mains (feet)	30,961	26,158	6,798	27,649	16,016	24,214	22,515	19,796	26,009	28,717	18,657	28,757	22,463
Laterals (each)	180	206	75	109	239	270	210	259	184	204	227	219	233
<b><u>Construction (each)</u></b>													
Cleanouts	15	15	1	3	12	9	15	21	8	12	7	11	7
Laterals	8	4	-	4	19	6	25	23	20	9	6	6	6
Mains	-	-	-	-	-	-	-	1	4	3	1	-	1
Manholes	-	5	-	-	-	1	-	-	3	-	-	-	1
Other		-	-	-	-	-	-	5	25	-	-	-	-
<b><u>USA Markings</u></b>													
Regular (w/in 2 days)	423	232	258	260	284	278	297	281	278	246	185	204	252
Emergency (w/in 2 hours)	9	11	36	14	13	10	18	12	13	13	15	10	13

## WASTEWATER PLANT OPERATIONS DATA - MONTHLY

CATEGORY	Units	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21
<b>FLOWS</b>		<b>29</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>28</b>
Influent	MG	187.6	194.5	196.6	184.0	166.7	166.7	164.6	159.7	162.3	162.6	183.7	209.1	207.1
Average Day	MGD	6.5	6.3	6.6	5.9	5.6	5.4	5.3	5.3	5.2	5.4	5.9	6.7	7.4
Maximum Day	Date	1-Feb	19-Mar	5-Apr	18-May	6-Jun	3-Jul	9-Aug	29-Sep	1-Oct	18-Nov	17-Dec	27-Jan	2-Feb
Maximum Day Flow	MG	7.5	5.9	10.4	6.9	5.7	5.6	5.4	5.5	5.4	6.7	7.7	13.6	9.6
Minimum Day	Date	25-Feb	12-Mar	30-Apr	10-May	30-Jun	31-Jul	19-Aug	6-Sep	16-Oct	27-Nov	8-Dec	20-Jan	10-Feb
Minimum Day Flow	MG	6.5	6.5	6.4	6.1	5.9	5.8	5.7	5.1	5.1	5.0	5.1	5.6	6.6
Effluent	MG	197.1	133.7	236.6	110.0	159.3	192.5	196.9	121.4	79.5	71.0	121.1	117.9	113.8
River Discharge	MG	176.2	77.9	174.6							22.4	88.1	98.4	66.4
Recycled Flow	MG	20.9	70.8	58.6	98.3	144.5	176.9	175.1	111.6	69.6	38.9	33.0	19.4	47.5
<b>BIOSOLIDS</b>	Tons	<b>523</b>	<b>685</b>	<b>638</b>	<b>473</b>	<b>738</b>	<b>695</b>	<b>680</b>	<b>694</b>	<b>675</b>	<b>557</b>	<b>799</b>	<b>616</b>	<b>609</b>
Wet Tons Generated from Pond	Tons				-	1,989	3,300	3,129	2,789	698	-	-	-	-
Wet Tons Generated from Plant	Tons	523	685	638	473	738	695	680	694	675	557	799	616	609
% Solids Liquid	%													
% Solids Cake	%													
% Solids Land Application	%													
Wet Tons Hauled Offsite	Tons													
<b>POLYMER USE</b>	Gallons	<b>3,036</b>	<b>2,498</b>	<b>2,490</b>	<b>3,271</b>	<b>861</b>	<b>1,548</b>	<b>7,611</b>	<b>3,807</b>	<b>768</b>	<b>485</b>	<b>2,424</b>	<b>1,916</b>	<b>2,731</b>
Pond Pre-Flocculators	Gallons	217	-	-	-	-	163	1,812	1,103	-	-	1,100	1,144	792
Flocculator Polymer 1	Gallons	-	-	-	-	-	-	-	-	-	-	-	-	-
Flocculator Polymer 2	Gallons	37	146	301	-	-	20	203	60	-	-	221	225	127
Filter Polymer 1	Gallons	2,128	1,608	1,463	2,874	342	762	5,057	2,020	89	-	458	12	1,069
Filter Polymer 2	Gallons	-	120	179	-	-	-	68	90	93	15	-	-	-
Belt Presses	Gallons	654	624	547	397	519	603	471	534	586	470	645	535	743
<b>ENERGY</b>														
Total Electricity Used	MWH	<b>683</b>	<b>749</b>	<b>756</b>	<b>764</b>	<b>811</b>	<b>862</b>	<b>971</b>	<b>774</b>	<b>710</b>	<b>659</b>	<b>733</b>	<b>644</b>	<b>572</b>
Purchased from PGE	MWH	295	368	361	377	355	420	517	421	313	338	419	312	317
Produced from Co-Gen	MWH	252	239	233	193	243	232	281	229	278	218	224	246	219
Percent Produced	%	38%	33%	32%	25%	30%	27%	29%	30%	39%	33%	31%	38%	38%
Purchased from Solar	MWH	136	142	162	194	213	210	173	124	119	103	90	86	115
Percent Produced		20%	19%	21%	25%	26%	27%	18%	16%	17%	16%	12%	13%	20%
Purchased Natural Gas	Therms	1,595	2,132	1,920	1,253	1,346	1,549	1,338	1,779	1,416	1,385	2,144	2,026	1,430
Methane Flared Off	MCF	190	731	137	18	77	26	177	72	128	157	314	71	17
<b>Stand By Calls</b>	#	47	51	39	72	47	44	56	49	60	21	62	52	51
Violations	#	-	-	-	-	-	-	-	-	-	-	-	-	-

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

<b>CATEGORY</b>	<b>Feb-20</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><u>Scheduled</u></b>													
Old	49	5	6	9	39	25	26	40	39	24	31	20	25
New	75	90	110	102	91	107	88	98	109	83	82	88	76
Completed	119	89	107	72	105	106	74	99	124	76	93	83	75
<b>New Balance</b>	<b>5</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><u>Unscheduled</u></b>													
Old	32	23	16	14	17	21	21	23	30	35	34	31	28
New	21	15	8	20	33	23	21	24	16	19	30	33	17
Completed	30	22	10	17	29	23	19	17	11	20	33	36	25
<b>New Balance</b>	<b>23</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><u>Total Work Orders</u></b>													
Old	81	28	22	23	56	46	47	63	69	59	65	51	53
New	96	105	118	122	124	130	109	122	125	102	112	121	93
Completed	149	112	118	90	135	130	93	116	133	96	126	119	100
<b>New Balance</b>	<b>28</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><u>LAB ANALYSES</u></b>													
<b>Sample Type</b>													
Regulatory	192	213	237	140	172	220	189	141	191	221	328	209	204
Process Control	1,039	1,058	1,015	708	815	776	772	700	906	960	1,644	986	918
Special Request	32	16	12	20	140	38	51	31	10	301	42	9	-
Quality Control/Assurance	1,324	1,043	1,058	595	622	661	674	577	727	928	1,662	929	878
<b>TOTAL</b>	<b>2,587</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>

**Summary of NSD Capital Project Status  
through 02-28-21**

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	-	12,786	49,314	21%
13702	Manhole Raising/Rehab	250,000			250,000	-	8,893	241,107	4%
13703	Lateral Replacement/Rehab	113,900			113,900	-	88,029	25,871	77%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	49,146	49,554	50%
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	5,563,309	12,452,403	1,718,238	63%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	128,148	124,301	14,151	47%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	737,339	183,827	14,165,383	1%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	2,346,954	3,520,011	324,435	57%
19727	Coll Sys Master Plan	-	100,000		100,000	-	8,832	91,168	9%
20702	Manhole Rehabilitation	250,000			250,000	39,230	-	210,770	-
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	3,156,035	64,052	206,463	2%
21701	2022 Collection System Rehab	20,000			20,000	-	1,026	18,974	5%
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	5,990,746	2,621,546	1,434,158	26%
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	499,782	241,437	495,131	20%
20707	Pond Levee Repair	700,000	9,150		709,150	413,185	176,584	119,381	25%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	119,971	92,513	1,195,117	7%
						-			
	<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 02-28-21**

<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	16,324	6,076	2,600	24%
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	33,000	252	54,298	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	7,077	-	94,723	-
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>LAB - EQUIPMENT</b>					-			
21711	Autoclave Rplcmnt	34,400			34,400	-	-	34,400	-
21712	Sampler 4700 Rplcmnt	10,400			10,400	7,846	-	2,554	-
						-			
	<b>SCADA</b>					-			
18729	SCADA MP Proj 1 Ntwk Mntrng	-	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 02-28-21**

<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	-	2,913	77,087	4%
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	-	-	42,800	-
						-			
	<b><u>OTHER</u></b>					-			
13729	Development Technical Support	348,800			348,800	-	150,076	198,724	43%
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>\$19,779,958</b>	<b>\$23,244,225</b>	<b>\$22,879,266</b>	<b>35%</b>