



**Napa Sanitation District**

**General Manager's Report**

**for**

**February 2020**

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:** April 15, 2020  
**FROM:** Timothy B. Healy, General Manager  
**SUBJECT:** General Manager’s Report for February 2020

**REGULATORY COMPLIANCE:**

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

**FISCAL STATUS:**

Period Covered:	July 1, 2019 – February 29, 2020
Percent Fiscal Year:	66.7%
Operating Expenditures to date:	49.8%
Historical Expenditures to date:	67.5%
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 February 2020 in the Human Resources Department:

New Hires:	Nick Perkins, Collection System Worker-in-Training
Separations:	None
Promotions:	None
Recruitment Activities:	Continued recruitment for Plant Attendant position
Injuries:	None

**COLLECTIONS:**

Significant events for the month of February 2020 in Collection System Maintenance include:

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 3 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm drainpipe that was not fully recovered and returned to the sanitary sewer system. A Category 2 is defined as an SSO that is equal to or greater than 1,000 gallons that did not reach a surface water. A Category 3 is defined as an SSO that is less than 1,000 gallons that did not reach a surface water. These are usually minor overflows of less than 10 gallons from cleanouts on District laterals that can be cleaned up by the crews.)
- The repair crew installed 11 cleanouts and repaired 4. They also repaired 5 lateral and lined 3 laterals and spot lined 2 mains. Additionally, the service response/programs crew completed 106 work orders in support of the grease and odor control program, responded to 39 customer requests for service (14 were NSD problem) and closed out 432 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 103 laterals, cleaned approximately 52,965 feet of main line and CCTV inspected 38 laterals. In addition, the CCTV truck televised 30,961 feet of mainline.

**TREATMENT PLANT:**

Significant events for the month of February 2020 in the Treatment Plant Department: None.

**Plant Operations:**

- For February 2020, the plant's influent flow was 204.9 MG as compared to last year flow for February 2019 of 542.7 MG
- There was 0.00" rainfall for February 2020 (Carneros Rainfall Center) as compared to 8.83" rainfall for February 2019.
- Pond 4 end of the month recorded level reading was 38.82".

**Power Consumption and Production:**

- February power purchased from PG&E was 295 MWH in comparison to February 2019 purchase of 374 MWH.
- Cogeneration unit ran 690 of 696 hours for the month – 99.14% uptime, averaging 354.02 Kw, producing 244 MWH of energy.
- Solar generation in February was 136 MWH, compared to 89 MWH in January and 89 MWH in February 2019.

**Maintenance:**

Significant events for the month of February 2020:

### Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Cogen Service;
  - Changed oil & sock filters
  - Replaced pre-air filter and main air filter
- Change Siloxane Filters Media
- IPS Bio-Air/replaced HMI
- Replaced SBS high sump level sensor
- Filter Poly Pump #1 and 2/replaced diaphragm, check ball assembly
- Replaced diaphragm in Hypo pump #1
- DAFT Scum Arm/replaced four wheels
- Changed Glycol in Neuros Blower #1 and 2

### Projects

- Riverpark/relocated and replaced discharge piping

### Standby Power

- Plant generators operational testing only
- Riverpark, Stonecrest, 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 2020. All parameters were monitored at the required frequencies. The following were notable sampling events:

- February 4, 2020: Mercury, Metals, Cyanide, Nutrients
- February 5, 2020: PCB Congeners
- February 2-6, 2020: Acute Toxicity Bioassay
- February 10-20, 2020: Cyanide
- February 11, 2020: Nutrients
- February 12, 2020: Chronic Toxicity Bioassay, Oil & Grease

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

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

- February 4, 2020: Metals, Mercury, Cyanide, VOC, BNA

### **RECYCLING:**

Significant events in the Recycling Department for February 2020 include:

- Recycled water delivered for the month of February 2020 was (33.069 million gallons), as compared to February 2019 (1.133 million gallons) is higher from the previous year due to golf course, commercial landscape and vineyard irrigation reservoir filling. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff resumed land application of biosolids at the Jameson Reuse site.

### **POLLUTION PREVENTION:**

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

- There were two tours or presentations given in February. One tour was given to members of the public on the Third Thursday of the month. The other was given to AP Environmental Science students from Vintage High School. The students took a plant tour and also participated in laboratory activities.
- No medication was collected in February. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 22,118.2 pounds. Staff has been working to find a new home for the drug takeback bin that was located at Family Drug.
- There were no ESME Washer Rebates issued this month.

### **ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:**

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

- Consultant continued work on the SCADA Master Plan.
- Consultants and staff continued work on the CMMS implementation.
- The construction contract was awarded for the Pond Biosolids Removal and Reuse Project.
- Staff held a public bid opening for the Browns Valley Trunk Project.
- Staff held a public bid opening for the West Napa Pump Station Project.
- Contractor continued construction of the Headworks Equipment Replacement Project.
- Contractor continued construction of the 2019 Treatment Plant Improvements Project.

- Contractor continued construction of the Southeast Napa Sewer and Roadway Rehabilitation Project.
- Contractor began construction of the 2020 Collection System Rehabilitation Project.
- Consultant continued design of the 66-inch Trunk Sewer Rehabilitation Project.
- Contractor continued construction of the 2019 Manhole Rehabilitation Project.
- Contractor began construction of the Primary Clarifier and DAF Clarifier Rehabilitation Project.
- Consultant continued work on the SWRF Buried Metallic Piping Condition Assessment Project.
- Consultant continued work on the SWRF 12kV Condition Assessment Project.
- Consultant continued working on the Collection System Master Plan.
- Staff reviewed 30 sets of development plans and deemed 8 sets of plans complete. The approved plans consisted of 4 residential dwellings and 4 tenant improvements.

**Budget Status & Cash Summary - July 1, 2019 - February 29, 2020 (66.7% of the year)**

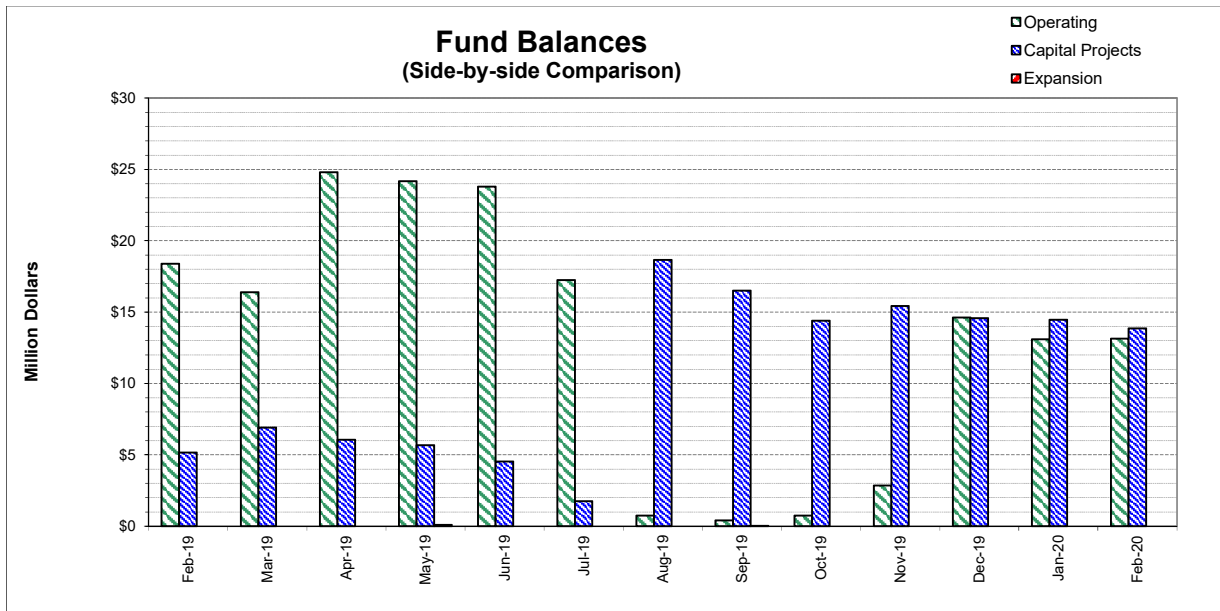
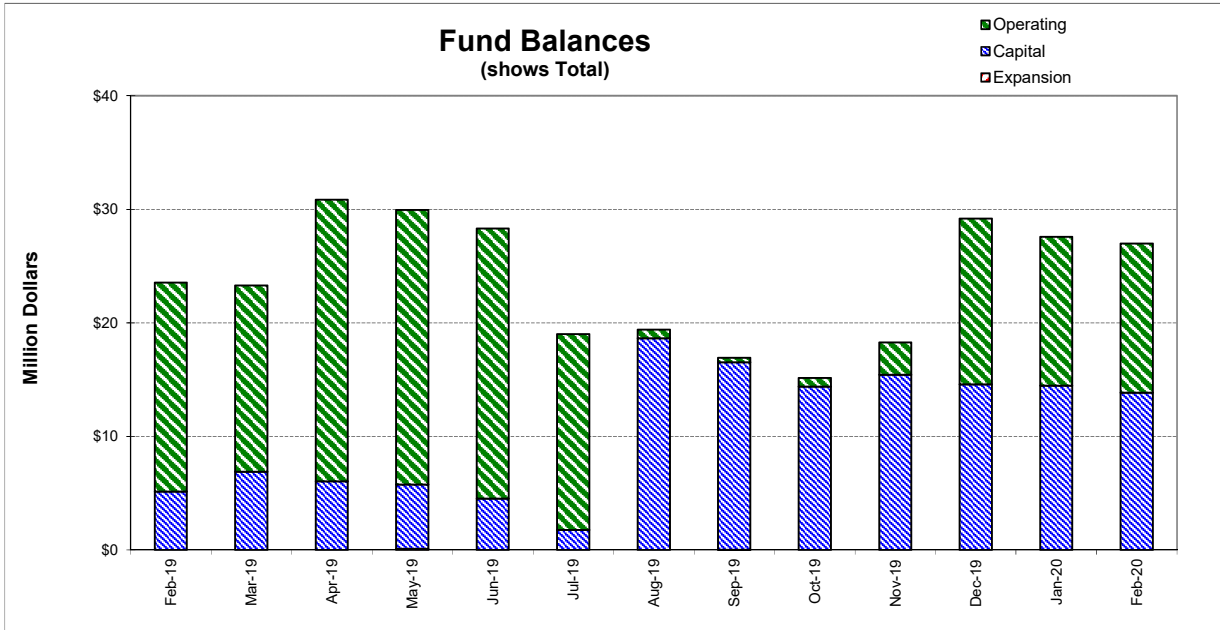
<i>Expenditures</i>	FY 19/20 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
<b>Operating</b>						
Salaries & Benefits	\$1,025,860	\$1,880	\$6,275,295	\$6,277,175	\$3,981,425	61.2%
Services & Supplies	6,281,650	1,039,719	3,147,868	4,187,587	2,094,063	66.7%
Taxes	41,800	-	15,271	15,271	26,529	36.5%
Debt Service	4,593,900	-	4,500,622	4,500,622	93,279 (1)	98.0%
Intrafund Transfers	8,900,000	-	-	-	8,900,000	0.0%
<b>Total Operating:</b>	<b>\$30,075,950</b>	<b>\$1,041,600</b>	<b>\$13,939,055</b>	<b>\$14,980,654</b>	<b>\$15,095,296 (2)</b>	<b>49.8%</b>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$39,047,000	\$7,080,656	\$7,522,781	\$14,603,436	\$24,443,564 (3)	37.4%
Intrafund Transfers	5,178,000	-	3,387,446	3,387,446	1,790,554	65.4%
<b>Total Capital :</b>	<b>\$44,225,000</b>	<b>\$7,080,656</b>	<b>\$10,910,227</b>	<b>\$17,990,883</b>	<b>\$26,234,117</b>	<b>40.7%</b>
<b>Grand Total Expenditures:</b>	<b>\$74,300,950</b>	<b>\$8,122,256</b>	<b>\$24,849,281</b>	<b>\$32,971,537</b>	<b>\$41,329,413</b>	<b>44.4%</b>

<i>Revenues</i>	FY 19/20 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
<b>Operating</b>						
Use of Money/Property	\$578,000		\$830,376	\$830,376	(\$252,376) (4)	143.7%
Charges for Services	31,213,500		19,016,149	19,016,149	12,197,351	60.9%
Miscellaneous Revenues	60,000		35,122	35,122	24,878	58.5%
Donations/Contributions (Capital Labor)	-		537,191	537,191	(537,191) (5)	N/A
<b>Total Operating:</b>	<b>\$31,851,500</b>		<b>\$20,418,838</b>	<b>\$20,418,838</b>	<b>\$11,432,662</b>	<b>64.1%</b>
<b>Capital</b>						
Use of Money/Property	\$0		\$3,553	\$3,553	(\$3,553)	N/A
Capacity Charges	5,178,000		3,102,203	3,102,203	2,075,797	59.9%
Bond/Loan Proceeds	15,416,600		-	-	15,416,600 (6)	0.0%
Sale of Assets	25,000		5,244	5,244	19,756	21.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	14,078,000		3,387,446	3,387,446	10,690,554	24.1%
<b>Total Capital:</b>	<b>\$34,702,600</b>		<b>\$6,779,807</b>	<b>\$6,779,807</b>	<b>\$27,922,793</b>	<b>19.5%</b>
<b>Grand Total Revenue:</b>	<b>\$66,554,100</b>		<b>\$27,198,645</b>	<b>\$27,198,645</b>	<b>\$39,355,455</b>	<b>40.9%</b>

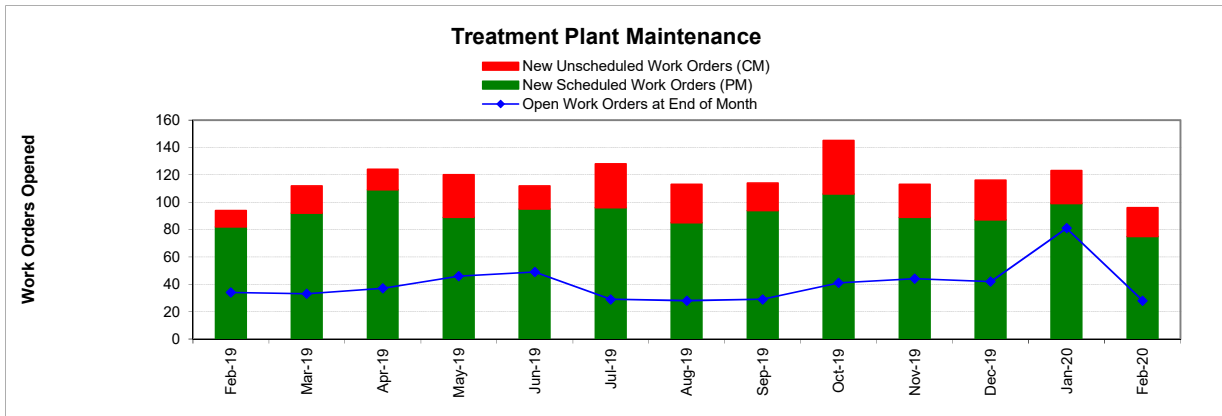
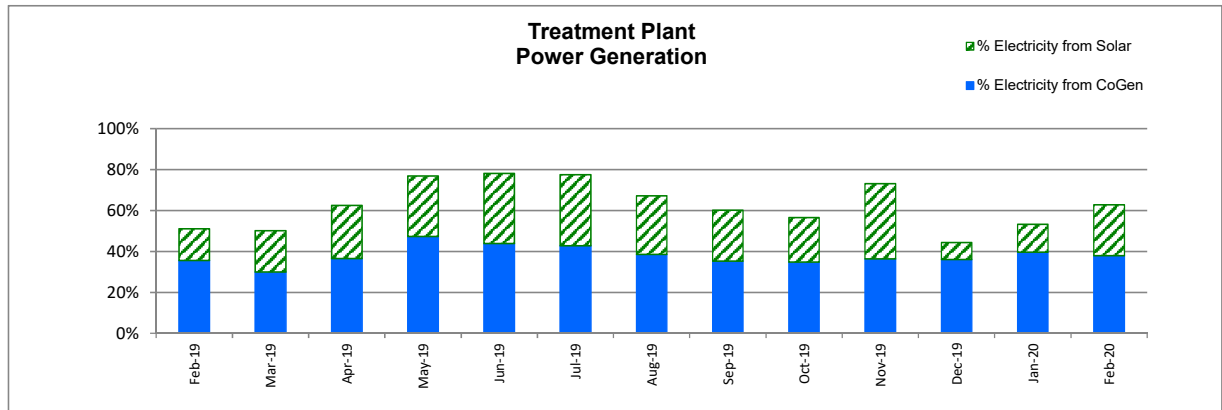
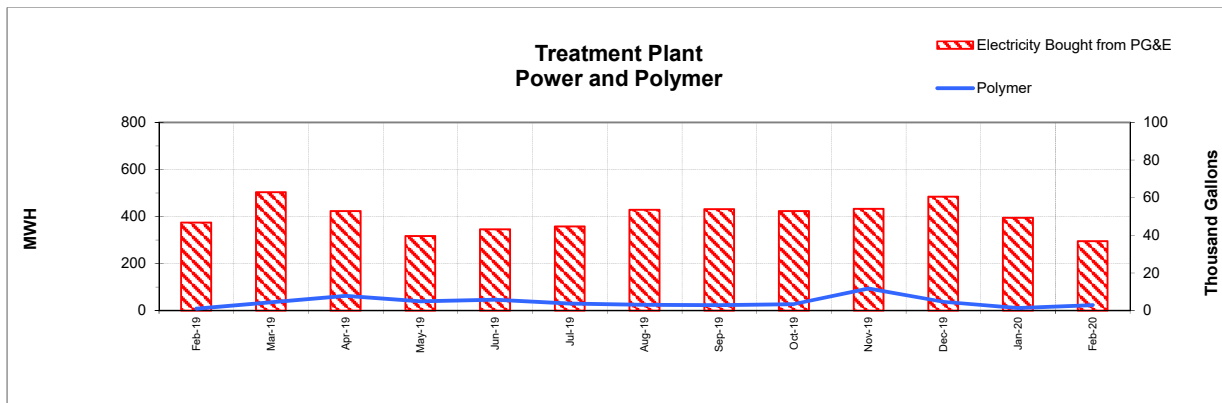
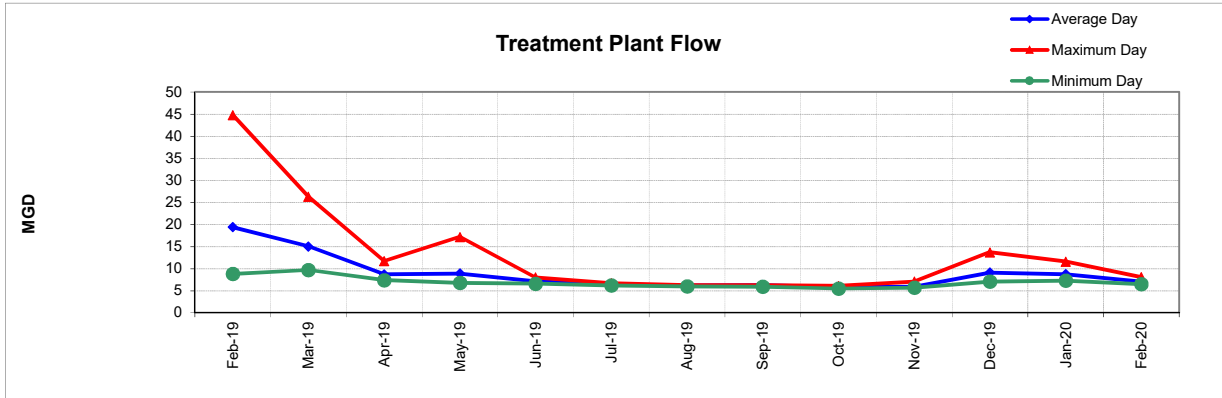
**Cash on Hand as of 2/29/20** **\$26,995,671**

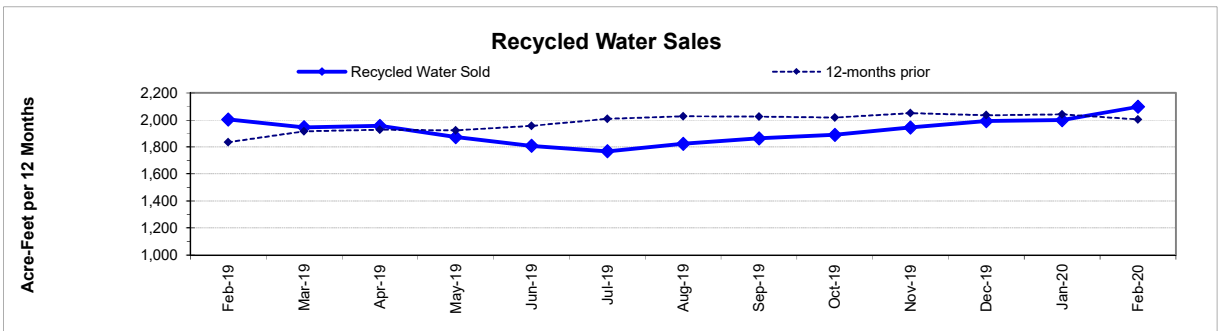
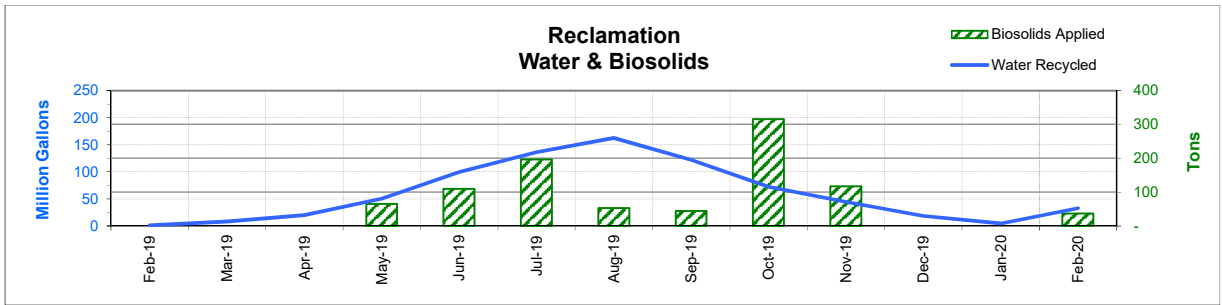
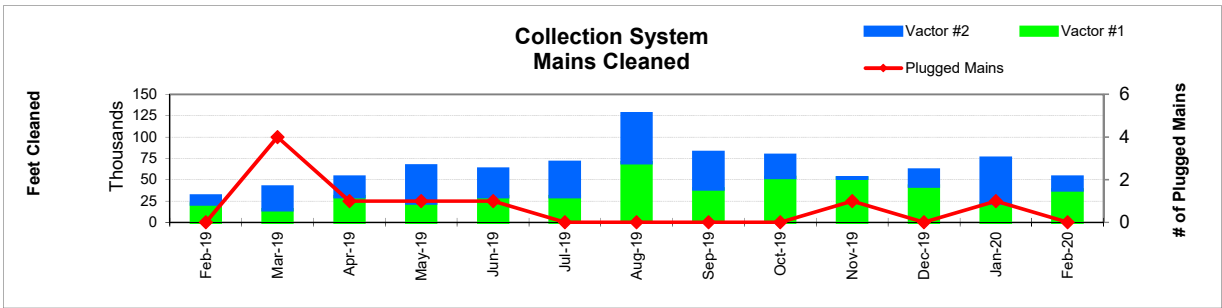
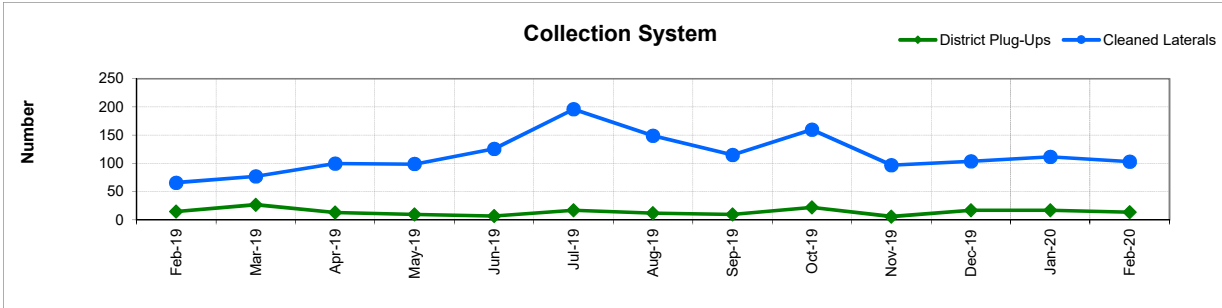
\*\*excluding Debt Service restricted funds  
2/29/20 -Effective Rate of Return = 2.23%

1. Series 2012A's and 2017's principal/interest payments are made in Jul & Jan
2. Includes Debt Service and Intrafund Transfers; otherwise is 63.2%
3. See Capital Project Status report for details
4. More interest was earned on a higher than expected cash balance
5. In-house Labor for Capital Projects (Contra acct for Salaries)
6. Expect to receive some proceeds of SRF Loan for BVT and WNPS Projects at the end of fy.









**FUND BALANCES - MONTHLY**

<b>CATEGORY</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<i>(Thousand Dollars)</i>													
7800	18,394	16,405	24,793	24,164	23,784	17,246	748	415	753	2,858	14,616	13,107	13,136
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Operating</b>	<b>18,394</b>	<b>16,405</b>	<b>24,793</b>	<b>24,164</b>	<b>23,784</b>	<b>17,246</b>	<b>748</b>	<b>415</b>	<b>753</b>	<b>2,858</b>	<b>14,616</b>	<b>13,107</b>	<b>13,136</b>
Capital Improvement Projects	5153	6,899	6,058	5,671	4,525	1,764	18,655	16,516	14,400	15,430	14,579	14,477	13,860
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital</b>	<b>5,153</b>	<b>6,899</b>	<b>6,058</b>	<b>5,671</b>	<b>4,525</b>	<b>1,764</b>	<b>18,655</b>	<b>16,516</b>	<b>14,400</b>	<b>15,430</b>	<b>14,579</b>	<b>14,477</b>	<b>13,860</b>
<b>Total Discretionary Funds</b>	<b>23,547</b>	<b>23,304</b>	<b>30,851</b>	<b>29,835</b>	<b>28,309</b>	<b>19,010</b>	<b>19,403</b>	<b>16,931</b>	<b>15,153</b>	<b>18,288</b>	<b>29,195</b>	<b>27,584</b>	<b>26,996</b>
Expansion Fund (Restricted)	-	-	-	93	-	-	-	2	-	-	-	-	-
<b>Total Restricted Funds</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>93</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL ALL FUNDS</b>	<b>23,547</b>	<b>23,304</b>	<b>30,851</b>	<b>29,928</b>	<b>28,309</b>	<b>19,010</b>	<b>19,403</b>	<b>16,933</b>	<b>15,153</b>	<b>18,288</b>	<b>29,195</b>	<b>27,584</b>	<b>26,996</b>

**DEVELOPMENT WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<b><u>Phone Requests</u></b>													
Maps/Drawings	2	4	-	17	8	1	-	4	-	11	4	6	5
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	7	5	5	10	6	8	1	4	2	2	-	2	5
Development Questions	35	48	53	79	64	43	29	38	32	40	29	32	38
Miscellaneous	18	25	29	29	18	25	16	18	29	13	24	10	12
<b>TOTAL</b>	<b>62</b>	<b>82</b>	<b>87</b>	<b>135</b>	<b>96</b>	<b>77</b>	<b>46</b>	<b>64</b>	<b>63</b>	<b>66</b>	<b>57</b>	<b>50</b>	<b>60</b>
<b><u>Counter Requests</u></b>													
Maps/Drawings	-	-	1	-	-	1	-	-	1	-	-	-	-
Lateral Permits	8	11	7	11	7	8	12	13	7	7	8	5	19
Policy Questions	-	3	4	-	-	-	-	-	-	1	-	-	-
Development Questions	9	13	10	7	10	3	4	13	4	7	7	4	2
Miscellaneous	-	-	0	2	0	0	1	0	-	-	-	1	1
<b>TOTAL</b>	<b>17</b>	<b>27</b>	<b>22</b>	<b>20</b>	<b>17</b>	<b>12</b>	<b>17</b>	<b>26</b>	<b>12</b>	<b>15</b>	<b>15</b>	<b>10</b>	<b>22</b>
<b><u>Initial Request (Referrals)</u></b>	<b>14</b>	<b>16</b>	<b>24</b>	<b>20</b>	<b>9</b>	<b>14</b>	<b>16</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>9</b>	<b>9</b>	<b>13</b>
<b><u>Connection Permits Issued</u></b>													
Residential Permits	4	5	2	6	3	2	14	2	5	3	0	9	22
Commercial Permits	-	1	2	3	1	6	1	2	1	3	1	1	-
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PERMITS</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>8</b>	<b>15</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>10</b>	<b>22</b>
Residential Units	4	36	2	6	3	6	14	2	22	5	0	11	13
Commercial Units	-	1	2	3	1	2	1	2	1	133	1	1	-
<b>TOTAL UNITS</b>	<b>4</b>	<b>37</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>8</b>	<b>15</b>	<b>4</b>	<b>23</b>	<b>138</b>	<b>1</b>	<b>12</b>	<b>13</b>
<b><u>Annexations</u></b>													
Submitted	-	-	-	1	-	1	-	-	1	-	-	-	-
Acreage	-	-	-	0.50	-	16.04	-	-	44.84	-	-	-	-
<b><u>Plans Reviewed</u></b>													
<b><u>Subdivisions/Sites</u></b>													
First Submittal	5	6	5	14	8	7	8	8	5	8	24	12	5
Second Submittal	5	6	3	8	6	5	5	2	2	6	6	12	7
Third Submittal	5	3	4	10	5	5	1	3	7	3	6	4	5
<b><u>Building/Tenant Improvements</u></b>													
First Submittal	8	7	15	3	9	12	6	6	13	4	3	12	9
Second Submittal	2	5	2	3	4	4	1	4	5	1	4	3	2
Third Submittal	2	3	7	-	7	6	4	3	7	5	3	1	2
<b><u>Miscellaneous Plan Reviews</u></b>													
Miscellaneous Plan Reviews	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PLANS REVIEWED</b>	<b>27</b>	<b>30</b>	<b>36</b>	<b>38</b>	<b>39</b>	<b>39</b>	<b>25</b>	<b>26</b>	<b>39</b>	<b>27</b>	<b>46</b>	<b>44</b>	<b>30</b>

**INSPECTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	3	5	7	2	5	11	4	6	1	2	4	4
Inspections - Mains	1	1	-	-	1	5	1	11	-	1	-	-	-
Inspections - Manholes	75	19	18	6	7	13	12	77	1	6	3	9	16
Inspections - Laterals	23	31	21	8	27	40	15	5	12	22	10	15	8
Inspections - Cleanouts	39	39	46	43	24	59	43	7	54	33	44	26	32
Inspections - Review Video	2	2	1	1	1	-	-	2	-	1	-	1	2
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	2	-	-	-	-	-	-	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>142</b>	<b>95</b>	<b>91</b>	<b>65</b>	<b>62</b>	<b>122</b>	<b>82</b>	<b>106</b>	<b>73</b>	<b>64</b>	<b>59</b>	<b>55</b>	<b>62</b>
<b><u>MISCELLANEOUS</u></b>													
Meter Readings	4	-	4	14	-	-	-	-	-	-	-	59	1
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	41	13	20	16	-	-	32	31	12	12	-	6	9
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>45</b>	<b>13</b>	<b>24</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>32</b>	<b>31</b>	<b>12</b>	<b>12</b>	<b>-</b>	<b>65</b>	<b>10</b>
<b><u>SPECIAL PROJECTS</u></b>	<b>7</b>	<b>21</b>	<b>20</b>	<b>21</b>	<b>40</b>	<b>25</b>	<b>22</b>	<b>35</b>	<b>23</b>	<b>19</b>	<b>30</b>	<b>10</b>	<b>0</b>

**POLLUTION PREVENTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<b><u>Outreach Activities</u></b>													
Plant Tours Conducted	6	1	10	1	6	1	0	0	2	5	0	3	2
Presentations Made	0	2	3	1	2	0	0	0	5	7	0	1	0
<b>Total Outreach Activities</b>	6	3	13	2	8	1	-	-	7	12	-	4	2
<b><u>Inspections Conducted</u></b>													
Food Service Facilities	41	26	47	21	-	-	1	-	-	-	1	1	62
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Inspections</b>	41	26	47	21	-	-	1	-	-	-	1	1	62
<b><u>Compliance Issues</u></b>													
NOVs Issued	1	1	1	2	1	-	1	1	1	3	-	2	-
NOEs Issued	1	-	-	-	-	-	-	-	-	1	-	2	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Compliance Issues</b>	2	1	1	2	1	-	1	1	1	4	-	4	1
<b><u>Pollution Prevention</u></b>													
Clothes Washer Rebates	8	-	19	-	2	-	-	-	-	-	-	-	-
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	-	102	-	45	73	132	-	-	77	-	44	-	-

**RECYCLED WATER DELIVERIES - MONTHLY**

	Acres	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20
<b>MONTHLY (MG)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	-	0.014	9.555	#####	#####	#####	#####	#####	#####	#####	0.007	0.001	22.383
Cemeteries	57.1	-	0.273	1.494	3.671	3.658	5.515	5.659	4.822	4.061	3.028	0.250	0.222	0.514
Parks	18.5	-	-	0.020	0.263	0.843	0.939	1.219	1.111	0.615	0.028	-	-	-
Schools	12.6	0.043	0.041	0.251	0.988	1.655	2.196	1.712	1.635	1.312	0.792	0.085	0.044	0.157
Commerical	166.5	0.557	0.648	4.974	#####	#####	#####	#####	#####	#####	#####	2.254	0.986	4.580
Vineyards	3,442.0	0.513	7.149	3.250	6.107	#####	#####	#####	#####	#####	7.027	#####	3.170	5.250
Trucked Water	175.0	0.020	0.017	0.110	0.421	0.533	1.293	1.374	1.425	1.401	1.097	0.476	0.227	0.134
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>1.133</b>	<b>8.142</b>	<b>19.654</b>	<b>47.943</b>	<b>87.935</b>	<b>119.063</b>	<b>136.071</b>	<b>101.920</b>	<b>66.409</b>	<b>40.073</b>	<b>18.567</b>	<b>4.650</b>	<b>33.019</b>
<b>District Use</b>														
Jameson	330.0	-	-	-	-	-	-	0.470	-	-	-	-	0.024	-
Somky	213.0	-	-	-	2.504	#####	#####	#####	#####	6.391	4.513	-	0.006	0.050
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.504</b>	<b>11.985</b>	<b>17.012</b>	<b>26.413</b>	<b>20.394</b>	<b>6.391</b>	<b>4.513</b>	<b>-</b>	<b>0.030</b>	<b>0.050</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>1.133</b>	<b>8.142</b>	<b>19.654</b>	<b>50.447</b>	<b>99.920</b>	<b>136.074</b>	<b>162.484</b>	<b>122.314</b>	<b>72.800</b>	<b>44.586</b>	<b>18.567</b>	<b>4.681</b>	<b>33.069</b>
<b>ANNUAL (AF)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	981	972	991	909	880	897	921	939	963	1,003	1,003	1,003	1,072
Cemeteries	57.1	88	88	91	93	93	95	97	99	102	102	101	100	102
Parks	18.5	15	15	15	13	13	13	14	16	17	15	15	15	15
Schools	12.6	38	37	37	35	33	34	33	33	33	33	33	33	33
Commerical	166.5	339	335	341	343	342	350	346	342	323	336	337	336	348
Vineyards	3,442.0	531	485	470	470	436	367	399	418	431	431	477	486	500
Trucked Water	175.0	13	13	11	11	11	13	15	18	22	24	25	26	26
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>2,003</b>	<b>1,945</b>	<b>1,956</b>	<b>1,874</b>	<b>1,808</b>	<b>1,768</b>	<b>1,824</b>	<b>1,864</b>	<b>1,891</b>	<b>1,944</b>	<b>1,992</b>	<b>2,000</b>	<b>2,097</b>
<b>District Use</b>														
Jameson	330.0	15	15	15	15	15	15	16	1	1	1	1	2	2
Somky	213.0	171	171	171	143	139	191	261	276	259	272	272	272	273
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>187</b>	<b>187</b>	<b>187</b>	<b>158</b>	<b>154</b>	<b>206</b>	<b>277</b>	<b>277</b>	<b>260</b>	<b>274</b>	<b>274</b>	<b>274</b>	<b>274</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>2,189</b>	<b>2,132</b>	<b>2,143</b>	<b>2,032</b>	<b>1,962</b>	<b>1,974</b>	<b>2,101</b>	<b>2,141</b>	<b>2,151</b>	<b>2,218</b>	<b>2,266</b>	<b>2,273</b>	<b>2,371</b>

**BIOSOLIDS HANDLING - MONTHLY**

<b>Site</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<u>Land Applied by NSD</u>													
Somky				65	109								
Fagundes								44					
Jameson Canyon	-	-	-	-	-	197	52		316	117	-	-	37
<b>Subtotal by NSD</b>	-	-	-	65	109	197	52	44	316	117	-	-	37
<u>Land Applied by Contractor</u>													
Somky													
Fagundes													
Jameson Canyon													
<b>Subtotal by Contractor</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Land Applied</b>	-	-	-	65	109	197	52	44	316	117	-	-	37
<b>Off Site (Contractor)</b>													
<b>Total (tons)</b>	-	-	-	65	109	197	52	44	316	117	-	-	37



**COLLECTION SYSTEM MAINTENANCE - MONTHLY**

<b>CATEGORY</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<b><u>Plugups</u></b>													
<b>Total Calls</b>	43	46	43	46	40	45	46	45	68	38	60	68	39
Business Hours	39	21	23	28	31	33	30	36	51	28	37	42	25
After Hours	4	25	20	18	9	12	16	9	17	10	23	22	14
District's	15	27	13	10	7	17	12	10	22	6	17	17	14
Property Owner's	28	20	30	35	32	26	34	32	43	32	42	46	24
Plugged Main Lines	-	4	1	1	1	-	-	-	-	1	-	1	-
Run Lateral w/Eel	66	77	100	99	126	196	149	115	160	97	104	112	103
<b><u>Cleaning (feet of sewer)</u></b>													
Vactor #1	21,454	14,808	30,224	22,498	30,232	30,283	69,780	38,969	52,711	51,764	42,519	22,372	37,916
Vactor #2	9,420	26,687	22,691	43,466	32,180	39,800	57,405	43,059	25,762	610	18,811	52,620	15,049
Hydro													
Rodder											558	-	-
<b>Total (feet)</b>	<b>30,875</b>	<b>41,495</b>	<b>52,916</b>	<b>65,964</b>	<b>62,412</b>	<b>70,083</b>	<b>127,185</b>	<b>82,028</b>	<b>78,473</b>	<b>52,374</b>	<b>61,888</b>	<b>74,993</b>	<b>52,965</b>
<b><u>Cleaning Days</u></b>													
Vactor #1	10	6	13	10	12	12	18	18	20	18	17	10	15
Vactor #2	6	15	8	19	15	16	21	15	8	1	10	16	5
Hydro													
Rodder											2		
<b>Feet/day</b>	<b>1,950</b>	<b>2,000</b>	<b>2,500</b>	<b>2,250</b>	<b>2,300</b>	<b>2,500</b>	<b>3,250</b>	<b>2,500</b>	<b>2,800</b>	<b>2,750</b>	<b>2,150</b>	<b>2,900</b>	<b>2,650</b>
Vactor #1	2,150	2,450	2,300	2,250	2,500	2,500	3,900	2,150	2,650	2,900	2,500	2,250	2,550
Vactor #2	1,550	1,800	2,850	2,300	2,150	2,500	2,750	2,850	3,200	600	1,900	3,300	3,000
Hydro													
Rodder											300		
<b><u>Video Inspections</u></b>													
Mains (feet)	5,812	13,050	15,089	24,716	23,914	32,551	40,819	22,837	17,404	10,825	-	13,832	30,961
Laterals (each)	133	144	204	173	177	254	214	190	247	165	182	188	180
<b><u>Construction (each)</u></b>													
Cleanouts	3	17	15	12	24	15	17	15	20	10	4	8	15
Laterals	3	3	4	13	12	14	16	16	10	9	10	10	8
Mains		1				-	-		-		-	1	-
Manholes		1				-	2		2		-		-
Other													
<b><u>USA Markings</u></b>													
Regular (w/in 2 days)	224	338	327	338	292	378	363	331	332	224	290	271	423
Emergency (w/in 2 hours)	15	22	20	20	24	21	28	23	21	7	21	22	9



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

<b>CATEGORY</b>	<b>Feb-19</b>	<b>Mar-19</b>	<b>Apr-19</b>	<b>May-19</b>	<b>Jun-19</b>	<b>Jul-19</b>	<b>Aug-19</b>	<b>Sep-19</b>	<b>Oct-19</b>	<b>Nov-19</b>	<b>Dec-19</b>	<b>Jan-20</b>	<b>Feb-20</b>
<b><u>Scheduled</u></b>													
Old	5	11	10	15	25	31	7	7	8	17	24	23	49
New	82	92	109	89	95	96	85	94	106	89	87	99	75
Completed	76	93	104	79	89	120	85	93	97	82	88	73	119
<b>New Balance</b>	<b>11</b>	<b>10</b>	<b>15</b>	<b>25</b>	<b>31</b>	<b>7</b>	<b>7</b>	<b>8</b>	<b>17</b>	<b>24</b>	<b>23</b>	<b>49</b>	<b>5</b>
<b><u>Unscheduled</u></b>													
Old	23	23	23	22	21	18	22	21	21	24	20	19	32
New	12	20	15	31	17	32	28	20	39	24	29	24	21
Completed	12	20	16	32	20	28	29	20	36	28	30	11	30
<b>New Balance</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>21</b>	<b>18</b>	<b>22</b>	<b>21</b>	<b>21</b>	<b>24</b>	<b>20</b>	<b>19</b>	<b>32</b>	<b>23</b>
<b><u>Total Work Orders</u></b>													
Old	28	34	33	120	46	49	29	28	29	41	44	42	81
New	94	112	124	11	112	128	113	114	145	113	116	123	96
Completed	88	112	120	46	109	150	113	113	133	110	116	84	149
<b>New Balance</b>	<b>34</b>	<b>33</b>	<b>37</b>	<b>46</b>	<b>49</b>	<b>29</b>	<b>28</b>	<b>29</b>	<b>41</b>	<b>44</b>	<b>42</b>	<b>81</b>	<b>28</b>
<b><u>LAB ANALYSES</u></b>													
<b>Sample Type</b>													
Regulatory	117	164	155	190	138	129	149	142	147	240	176	157	192
Process Control	1,111	1,199	1,195	760	770	869	838	818	893	1,010	1,072	1,208	1,039
Special Request	8	2	-	1	15	1	22	26	46	38	16	-	32
Quality Control/Assurance	639	754	1,447	812	539	632	600	607	774	957	839	923	1,324
<b>TOTAL</b>	<b>1,875</b>	<b>2,119</b>	<b>2,797</b>	<b>1,763</b>	<b>1,462</b>	<b>1,631</b>	<b>1,609</b>	<b>1,593</b>	<b>1,860</b>	<b>2,245</b>	<b>2,103</b>	<b>2,288</b>	<b>2,587</b>

**Summary of NSD Capital Project Status  
through 02-29-20**

Proj #	Description	FY 19/20 Budget	FY 18/19 Carryovers	Adj.	Final FY 19/20 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	<b><u>COLLECTION SYSTEM - PROJECTS</u></b>								
13701	Main Line Sewer Rehabilitation	60,000			60,000	-	6,718	53,282	11%
13702	Manhole Raising/Rehabilitation	332,600			332,600	-	158,611	173,989	48%
13703	Lateral Replacement/Rehabilitation	110,000		40,000	150,000	-	110,471	39,529	74%
13704	Cleanouts Installation/Rehabilitation	107,000		(40,000)	67,000	-	41,421	25,579	62%
13705	Inflow & Infiltration (I&I) Reduction Program	221,700			221,700	167,688	10,940	43,072	5%
14703	Browns Valley Rd & First St	7,000,000			7,000,000	50,596	14,959	6,934,445	0%
17704	Infltrtn Rehab - SSMH/PL (CI-)	-	25,500		25,500	-	-	25,500	-
18701	I&I Smoke Testing	150,000			150,000	14,266	28,485	107,249	19%
18702	Collection System Asset Management Software	-	443,550		443,550	268,064	129,354	46,131	29%
18703	Upper Lateral Rehab - Basin L (Pilot) #3	166,300	3,200		169,500	-	63,156	106,344	37%
18706	Sewer System Inflow/Infiltration 2019	3,538,100	313,850		3,851,950	957,051	2,747,961	146,938	71%
19701	66-inch Trunk Rehabilitation (Kaiser to IPS)	4,000,000	450,000		4,450,000	335,147	248,513	3,866,340	6%
19703	2020 Collection System Rehabilitation	3,169,600	9,800		3,179,400	3,000,000	39,517	139,883	1%
19727	Collection System Master Plan	1,071,200	632,350		1,703,550	221,125	307,141	1,175,285	18%
20701	Upper Lateral Rehab - Pilot #5	5,000			5,000	-	50	4,950	1%
20702	Manhole Rehabilitation	250,000			250,000	182,120	3,271	64,609	1%
20703	2021 Collection System Rehabilitation	20,000			20,000	-	-	20,000	-
	<b><u>COLLECTION SYSTEM - EQUIPMENT</u></b>								
20704	Locatable Mini-Camera #3 Replacement	11,900		(200)	11,700	-	9,382	2,318	80%
20705	Eel Replacement #2	5,900		200	6,100	-	5,688	412	93%
	<b><u>COLLECTION SYSTEM - LIFT STATIONS</u></b>								
17711	West Napa PS - Rehab	5,500,000			5,500,000	86,728	199,924	5,213,347	4%
19705	Stonecrest PS Pump Rebuild	-	40,100		40,100	9,840	15,266	14,994	38%
	<b><u>TREATMENT - PROJECTS</u></b>								
13745	Pond 1 Dredge	2,100,000	237,150		2,337,150	207,350	50,956	2,078,844	2%
18736	Treatment Plant Project 2018	-	15,000		15,000	10,901	139	3,961	1%
18740	Treatment Plant Project 2019	600,000	672,700		1,272,700	90,475	1,151,732	30,493	90%
19717	WWTP MP - Pond Transfer Structures 2 to 3	-	259,700		259,700	-	12,800	246,900	5%
20706	WWTP Master Plan	5,000			5,000	-	1,184	3,817	24%
20707	Pond Levee Repair	100,000			100,000	-	564	99,436	1%
20708	2020 Treatment Plant Improvements Project	1,500,000			1,500,000	66,980	34,186	1,398,833	2%
20724	River Park PS FM Replacement			100,000	100,000	-	25,254	74,746	25%

**Summary of NSD Capital Project Status  
through 02-29-20**

Proj #	Description	FY 19/20 Budget	FY 18/19 Carryovers	Adj.	Final FY 19/20 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	<b>TREATMENT - EQUIPMENT</b>								
13735	Dual Fuel Boiler Burner	-	121,550		121,550	32,908	65,815	22,828	54%
15707	Main - DAFT Overflow Pumps (2) Cornell	11,900			11,900	-	-	11,900	-
15711	Rotork Actuator Replacement	-	7,600		7,600	-	-	7,600	-
16712	Main - Primary Clarifier Mech/Struct Rehabilitation	814,000	152,300		966,300	881,262	53,924	31,114	6%
17715	Turbidimeters (7) Tertiary Rplcmnts	-	16,000		16,000	-	-	16,000	-
17726	Headworks Equipment Rehab/Replacment	1,000,000	667,600		1,667,600	273,373	1,293,325	100,902	78%
18711	3W Strainer	-	24,350		24,350	-	-	24,350	-
18715	Muffle Furnace - Replacement	-	5,000		5,000	-	4,321	679	86%
18716	Rotork Actuator Replacement	-	6,400		6,400	-	-	6,400	-
18719	Filter Flow Control - Rotork Valves	-	9,900		9,900	-	-	9,900	-
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	20,000	5,000		25,000	-	-	25,000	-
19706	WWTP MP - 3W System Improvements Phase 2	-	295,600	(41,100)	254,500	-	110	254,390	0%
19708	Main - Rotork Actuator Replacement	-	95,000		95,000	-	19,115	75,885	20%
19709	Main - Polymer Tank (3) Replacement	-	10,000		10,000	-	-	10,000	-
19710	Main - 12kV Redundant Line	-	119,150		119,150	72,180	3,412	43,558	3%
19712	Main - Utility Generator Power Transition	-	35,000		35,000	-	-	35,000	-
19713	Main - Cogen Hot Water to FOG Pad	-	50,000		50,000	-	-	50,000	-
19715	Main - ARV Replacement	31,100			31,100	-	-	31,100	-
20709	Main - AB Caustic Pumps & Enclosure	85,700			85,700	13,071	17,107	55,522	20%
20710	Main - Septage Pump & Motor Replacement	28,700			28,700	-	-	28,700	-
20711	Main - Marsh-to-Pond Pump Station Upgrade	88,700			88,700	-	151	88,549	0%
20712	Main - Grit Pump Rebuild	60,000			60,000	-	25,621	34,379	43%
20713	Main - Elevator Control Update	400,000			400,000	-	-	400,000	-
20714	Main - Flare Rebuild	50,000			50,000	-	-	50,000	-
20715	Main - Concrete Pipe Chase Covers	80,000			80,000	-	-	80,000	-
20716	Plant Door Replacement - Phase 1	22,200			22,200	-	-	22,200	-
20717	Vehicle 163 - Ford Ranger (Replace w/ F-150)	33,300			33,300	-	30,502	2,798	92%
20718	Vehicle 162 - Ford F-250 Diesel	43,600		1,100	44,700	-	41,835	2,865	94%
20719	Vehicle 206 - Forklift TH103 (Telehandler)	103,100			103,100	-	-	103,100	-
	<b>LAB - EQUIPMENT</b>								
20720	Lab - Sampler 4700 Replacement (2)	20,000			20,000	-	14,596	5,404	73%
	<b>SCADA</b>								
18729	SCADA MP Project #1 - Network Monitoring	-	46,200		46,200	-	-	46,200	-

**Summary of NSD Capital Project Status  
through 02-29-20**

<b>Proj #</b>	<b>Description</b>	<b>FY 19/20 Budget</b>	<b>FY 18/19 Carryovers</b>	<b>Adj.</b>	<b>Final FY 19/20 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
19718	SCADA MP Phase 5 Security Study	-	88,250		88,250	10,027	29,825	48,398	34%
	<b>RECYCLING - PROJECTS</b>								
13727	North Bay Wate Reuse Project	150,000			150,000	-	13,433	136,567	9%
18730	Jameson 24" Flow Meter Rehab	-	6,200		6,200	-	-	6,200	-
18731	Coombsville Truck Fill Station	300,000	144,400		444,400	79,916	296,675	67,809	67%
19719	24-inch Valve Replacement - Kirkland Line	-	5,000		5,000	-	-	5,000	-
19720	Jameson PS VFD	-	68,900	(68,900)	-	-	-	-	-
20721	Kirkland Recycled Water Pipeline Rehabilitaton	60,000		10,000	70,000	49,587	12,118	8,295	17%
	<b>RECYCLING - EQUIPMENT</b>								
19722	Vehicle 723/720 - Attachments/Implements	29,700		(29,700)	-	-	-	-	-
20722	Badger Meter Replacement	80,000			80,000	-	-	80,000	-
20723	CT-5 Composter (Ag-Bag)	-	-	29,700	29,700	-	-	29,700	-
	<b>OTHER</b>								
13729	Development Technical Support	337,000			337,000	-	179,454	157,546	53%
19723	AV System Replacement - Conference Rooms	-	20,000		20,000	-	-	20,000	-
19725	Vehicle 011 - CSET Trailer	-	7,100	(1,100)	6,000	-	3,800	2,200	63%
		<b>\$33,873,300</b>	<b>\$5,173,700</b>	<b>-</b>	<b>\$39,047,000</b>	<b>\$7,080,656</b>	<b>\$7,522,781</b>	<b>\$24,443,564</b>	<b>19%</b>