



**Napa Sanitation District**

**General Manager's Report**

**for**

**August 2020**

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**DATE:** October 7, 2020  
**FROM:** Timothy B. Healy, General Manager  
**SUBJECT:** General Manager’s Report for August 2020

**REGULATORY COMPLIANCE:**

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 5 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 – August 31, 2020
Percent Fiscal Year:	16.7%
Operating Expenditures to date:	24.7%
Historical Expenditures to date:	26.3%
Significant Comments:	None

**PERSONNEL:**

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

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

**COLLECTIONS:**

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO’s), 0 Category 2 SSO’s and 5 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 10 cleanouts and repaired 5 cleanouts. They also repaired 9 laterals and lined 16 laterals. Additionally, the service response/programs crew completed 125 work orders in support of the grease and odor control program, responded to 47 customer requests for service (17 were NSD problem) and closed out 315 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 151 laterals, cleaned approximately 57,851.0 feet of main line and CCTV inspected 12 laterals. In addition, the CCTV truck televised 22,515.1 feet of mainline.

### **TREATMENT PLANT:**

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

#### Plant Operations:

- For August 2020, the plant's influent flow was 180.0 MG as compared to last year flow for August 2019 of 192.5 MG
- There was 0.02" rainfall for August 2020 (Carneros Rainfall Center) as compared to 0.00" rainfall for August 2019.
- Pond 4 end of the month recorded level reading was 40.07".

#### Power Consumption and Production:

- August power purchased from PG&E was 517 MWH in comparison to August 2019 purchase of 429 MWH.
- Cogeneration unit ran 743 of 744 hours for the month – 99.87% uptime, averaging 360.19Kw, producing 281 MWH of energy.
- Solar generation in August was 173 MWH, compared to 210 MWH in July and 200 MWH in August 2019.

#### Maintenance:

Significant events for the month of August 2020:

##### Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- PLC2 remote I/O2 replaced #10 DI module
- Replaced cooling fan in Digester Tunnel Fan VFD
- Repaired Coombsville Load-out Station discharge valve
- Replaced Digester Gas Transmitter
- Gas Compressor/replaced discharge flex pipe

Projects

- Up-graded lighting to LED in Primary Clarifiers
- Up-graded HAZ Gas System in Primary Clarifiers
- Replaced Septage Rotork Actuators
- Installed Remote Hand Stations to CCB Gallery Rotork Actuators

Standby Power

- Plant generators operational testing only
- Stonecrest and West Napa operational testing only
- Riverpark ran 2.3 hours in standby mode

Influent Pumps

- All pumps operational

Laboratory:

**Effluent (EFF-001) Summary**

There was no Effluent (EFF-001) discharge during the reporting period.

**Influent (INF-001) Summary**

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

- August 5, 2020: Metals, Mercury, Cyanide, Priority Pollutants

**RECYCLING:**

Significant events in the Recycling Department for August 2020 include:

- Recycled water delivered for the month of August 2020 was (173.443 million gallons), as compared to August 2019 (162.534 million gallons) is higher from the previous year due to vineyard irrigation and commercial landscape. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff continued with the land application of biosolids at the Jameson Reuse site.
- Staff approved one connection in the LCWD area.
- Staff issued one Notice of Noncompliance for irrigating an unpermitted vineyard in the LCWD area.

### **POLLUTION PREVENTION:**

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

- There was one presentation given in the month of August. Staff took part in the Talkin' Trash Facebook live/Zoom with staff from the City of Napa Recycling Division and Napa recycling and Waste Services. The show focused on the activities of NapaSan and what not to flush in order to keep the sewer system healthy.
- In coordination with the City of Napa, Napa County, the Sheriff's office, and Kaiser, staff have been working to plan the yearly drug takeback event. NapaSan will be sponsoring the event and helping to promote it. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 22,118.2 pounds.
- Outreach continues to residents regarding the Summer 2020 Collection System Rehabilitation Project. Weekly email and text notifications were sent to all residents on the project mailing list. Weekly website updates were also made to alert residents to construction project updates.
- Staff also conducted outreach regarding the Browns Valley Trunk Project. Staff sent letters to Laurel Street, Kilburn Avenue, and freeway Drive residents alerting them to water line work to be done. Staff also worked with businesses along Freeway Drive to alert them to the upcoming construction and help minimize impacts to those businesses. Weekly email and text updates as well as weekly website updates were conducted to keep residents up to date regarding construction activities. Staff also worked with City of Napa staff to share construction locations and our updates were shared in the City of Napa e-newsletter.

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

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

- Consultants and staff continued work on the CMMS implementation.
- Contractor continued working on the Pond Biosolids Removal and Reuse Project.
- Contractor continued construction of the Browns Valley Trunk Project.
- Contractor continued construction of the West Napa Pump Station Project.
- Contractor continued construction of the 2020 Collection System Rehabilitation Project.
- Staff continued design of the 2021 Collection System Rehabilitation Project.
- Consultant continued design of the 66-inch Trunk Sewer Rehabilitation Project.
- Consultant continued design of the Pond Levee Maintenance Project
- Staff began design of the Sanitary Sewer Manhole Adjustment Project, Phase X
- Consultant began design of the 2021 Treatment Plant Improvements Project
- Contractor continued construction of the Primary Clarifier and DAF Clarifier Rehabilitation Project.

- Consultant continued work on the SWRF Buried Metallic Piping Condition Assessment Project.
- Consultant continued working on the Collection System Master Plan.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 38 sets of development plans and deemed 14 sets of plans complete. The approved plans consisted of 6 residential dwellings, 5 tenant improvements, 1 commercial building, 1 commercial lateral, and 1 residential lateral.

**Budget Status & Cash Summary - July 1, 2020 - August 31, 2020 (16.7% 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	\$8,564	\$1,133,241	\$1,141,806	\$8,448,494	11.9%
Services & Supplies	6,428,900	1,496,575	1,023,584	2,520,159	3,908,741	39.2%
Taxes	42,400	-	-	-	42,400	0.0%
Debt Service	4,588,000	-	3,728,888	3,728,888	859,113 (1)	81.3%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
<b>Total Operating:</b>	<b>\$29,649,600</b>	<b>\$1,505,139</b>	<b>\$5,885,713</b>	<b>\$7,390,852</b>	<b>\$22,258,748 (2)</b>	<b>24.9%</b>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$65,903,450	\$36,127,255	\$1,205,103	\$37,332,358	\$28,571,092 (3)	56.6%
Intrafund Transfers	1,992,000	-	529,345	529,345	1,462,655	26.6%
<b>Total Capital :</b>	<b>\$67,895,450</b>	<b>\$36,127,255</b>	<b>\$1,734,447</b>	<b>\$37,861,703</b>	<b>\$30,033,747</b>	<b>55.8%</b>
<b>Grand Total Expenditures:</b>	<b>\$97,545,050</b>	<b>\$37,632,395</b>	<b>\$7,620,160</b>	<b>\$45,252,555</b>	<b>\$52,292,495</b>	<b>46.4%</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	\$578,000		\$193,181	\$193,181	\$384,819	33.4%
Charges for Services	31,213,500		709,874	709,874	30,503,626	2.3%
Miscellaneous Revenues	60,000		4,799	4,799	55,201	8.0%
Donations/Contributions (Capital Labor)	-		154,083	154,083	(154,083) (4)	N/A
<b>Total Operating:</b>	<b>\$31,851,500</b>		<b>\$1,061,937</b>	<b>\$1,061,937</b>	<b>\$30,789,563</b>	<b>3.3%</b>
<b>Capital</b>						
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	5,178,000		119,063	119,063	5,058,937	2.3%
Bond/Loan Proceeds	15,416,600		-	-	15,416,600	0.0%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	14,078,000		529,345	529,345	13,548,655	3.8%
<b>Total Capital:</b>	<b>\$34,702,600</b>		<b>\$648,408</b>	<b>\$648,408</b>	<b>\$34,054,192</b>	<b>1.9%</b>
<b>Grand Total Revenue:</b>	<b>\$66,554,100</b>		<b>\$1,710,345</b>	<b>\$1,710,345</b>	<b>\$64,843,755</b>	<b>2.6%</b>

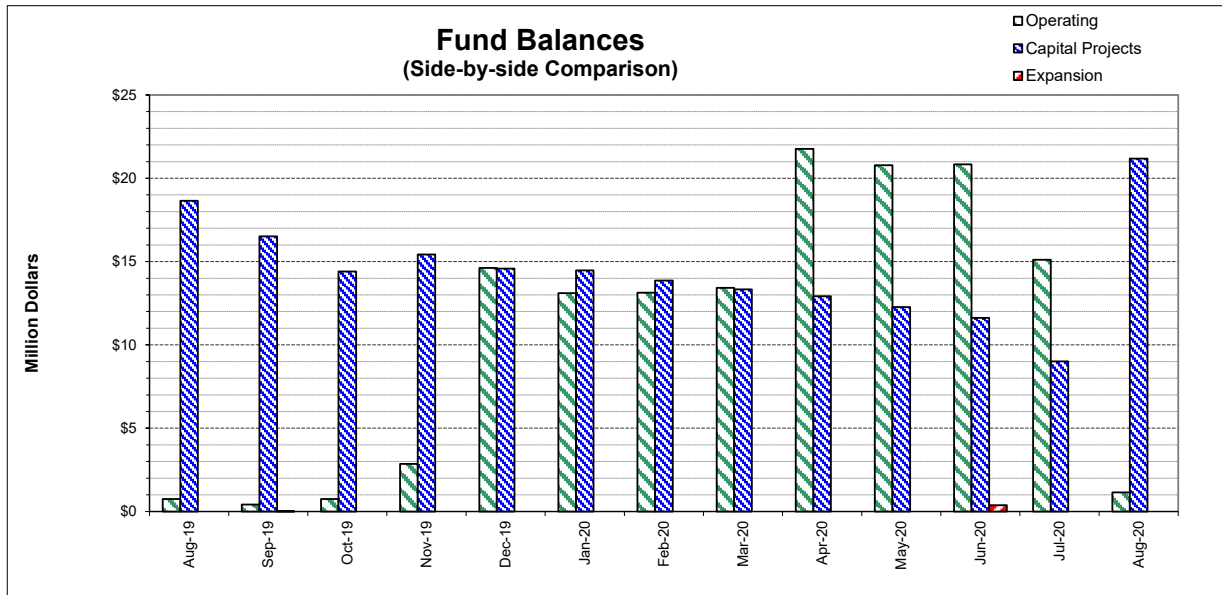
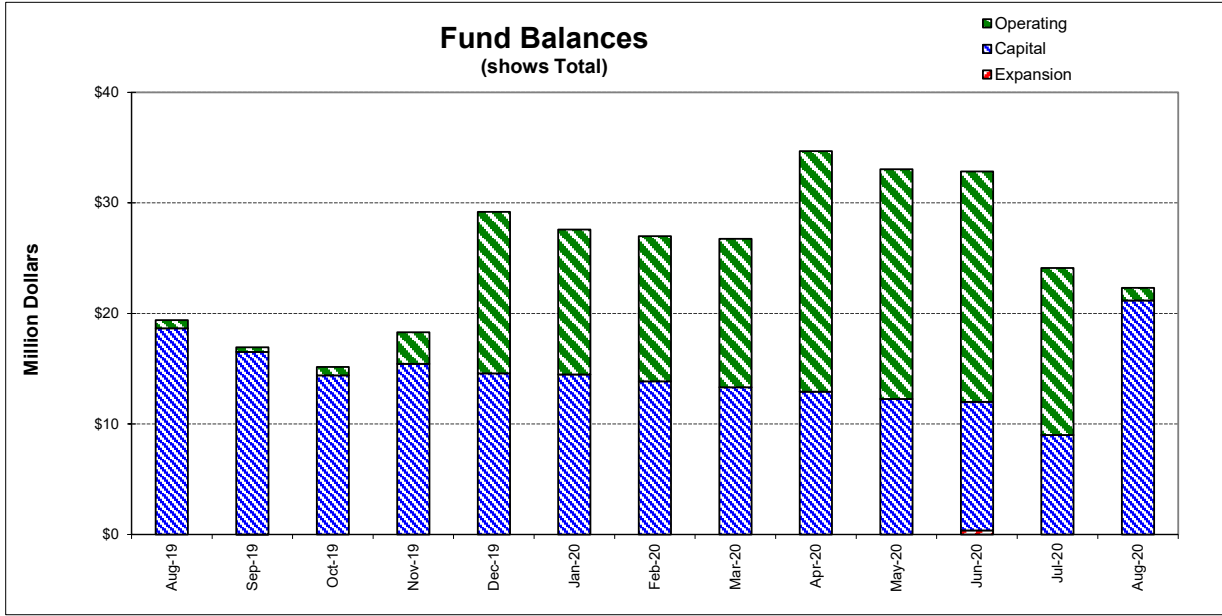
**Cash on Hand as of 7/31/20** **\$22,322,165**

\*\*excluding Debt Service restricted funds

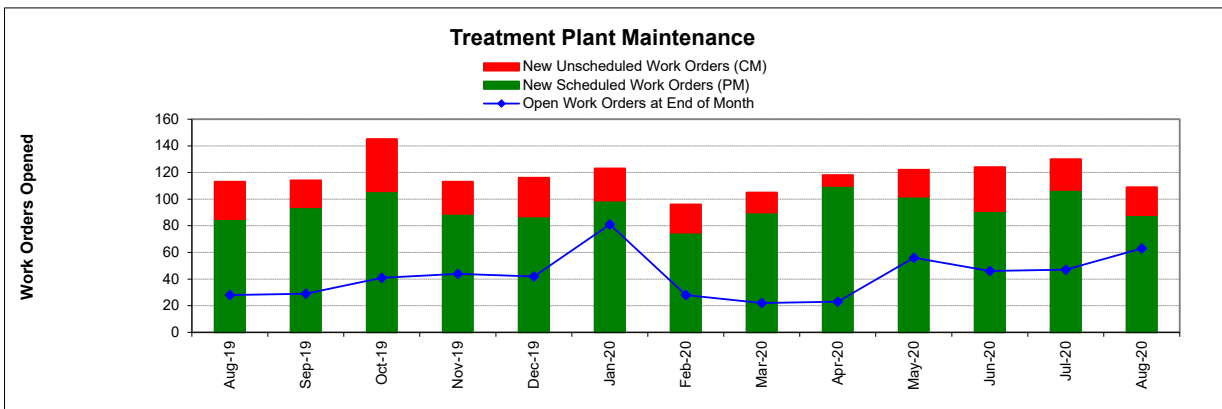
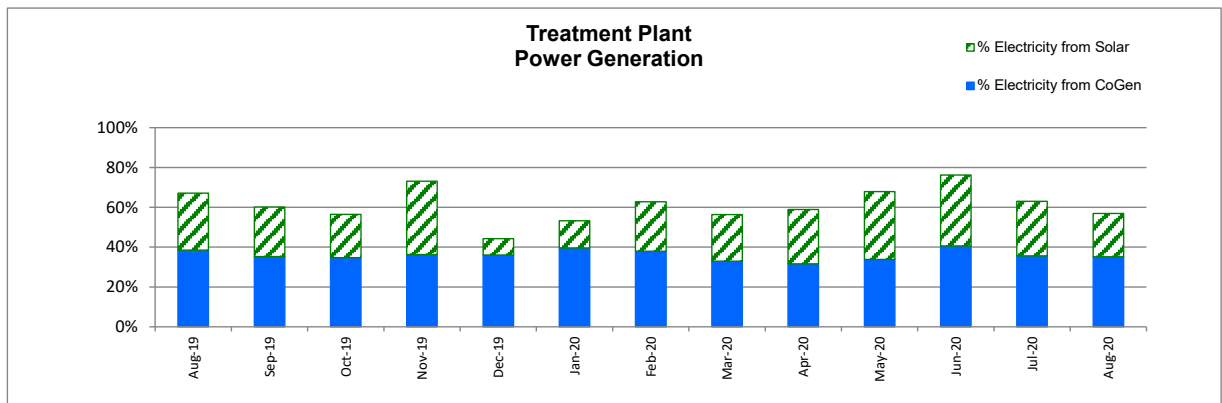
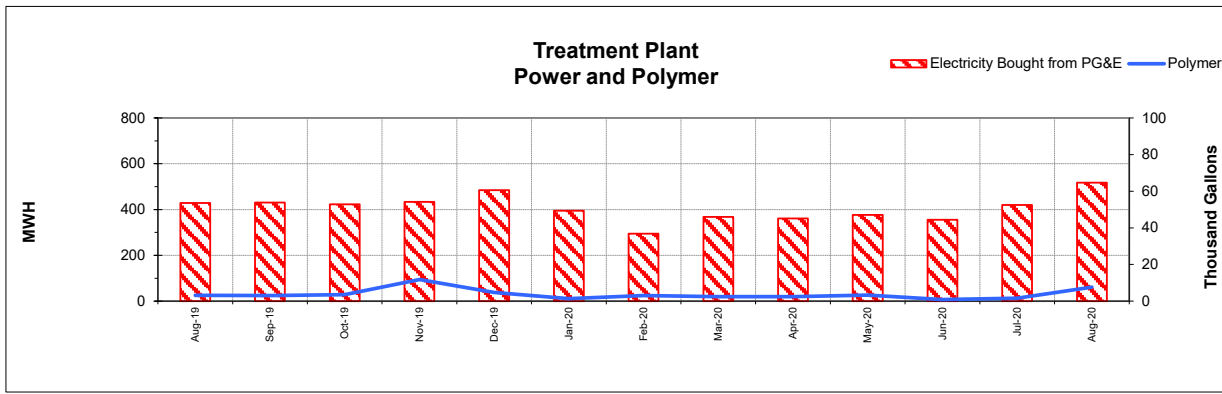
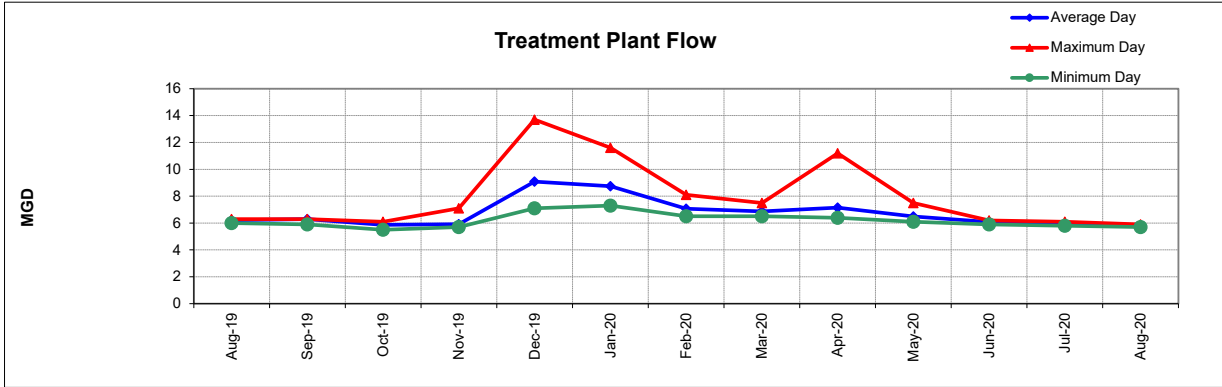
7/31/20 -Effective Rate of Return = 1.60%

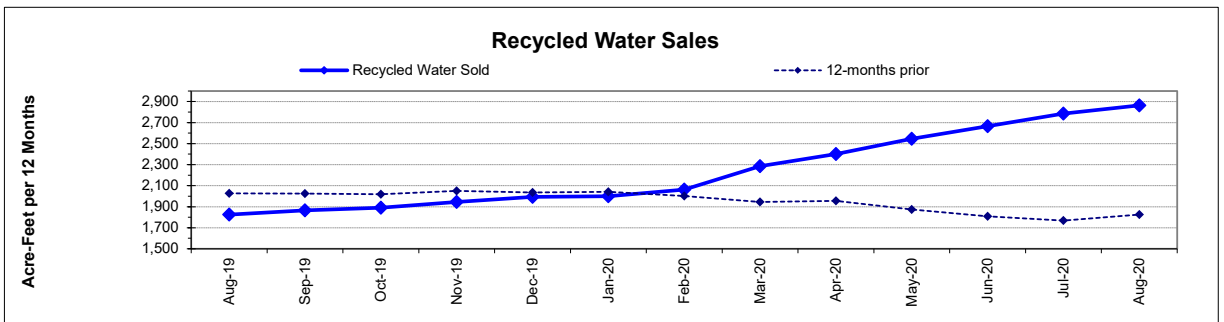
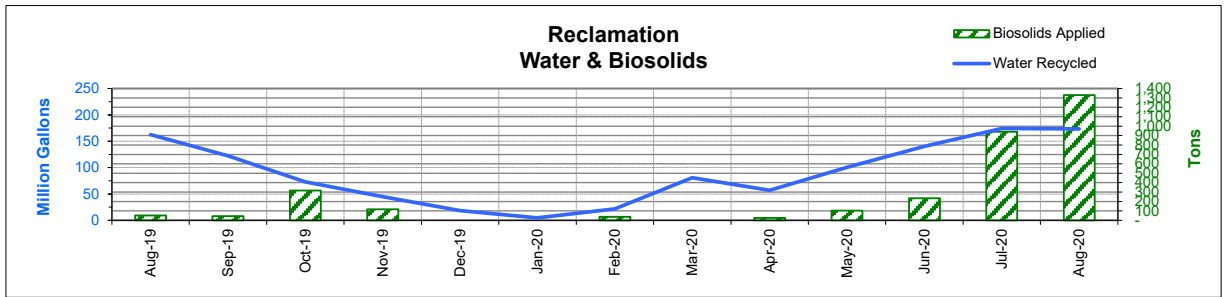
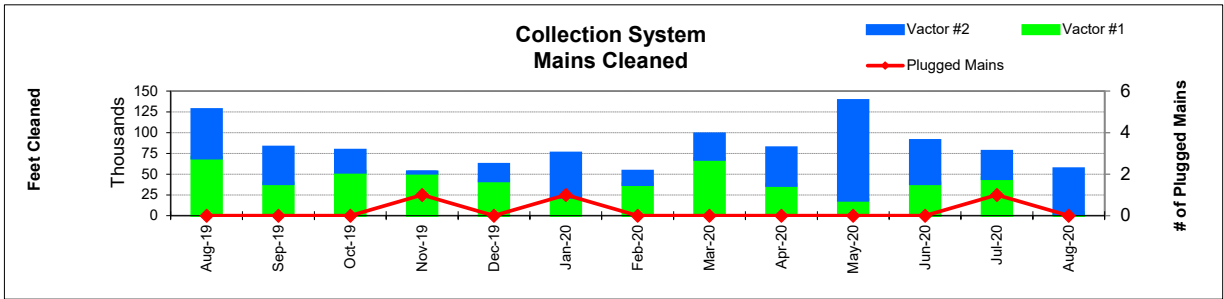
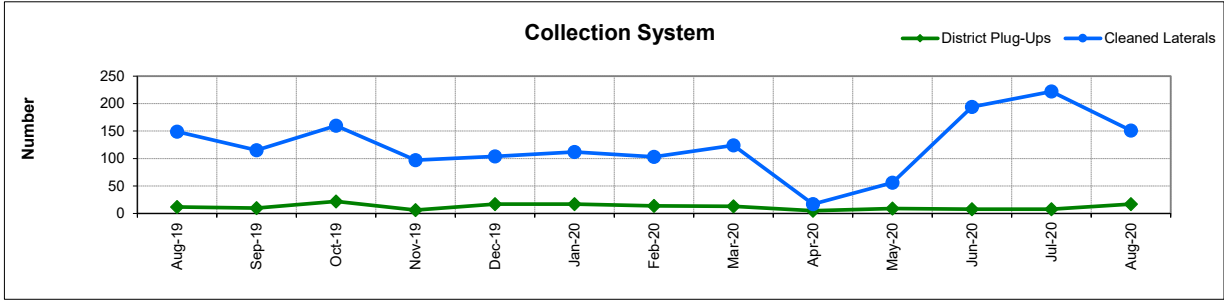
Note: August's rate unavailable at the time of report

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 22.8%
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>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>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>
<i>(Thousand Dollars)</i>													
7800	748	415	753	2,858	14,616	13,107	13,136	13,427	21,767	20,787	20,841	15,104	1,143
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Operating</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>	<b>13,427</b>	<b>21,767</b>	<b>20,787</b>	<b>20,841</b>	<b>15,104</b>	<b>1,143</b>
Capital Improvement Projects	18,655	16,516	14,400	15,430	14,579	14,477	13,860	13,326	12,924	12,268	11,626	9,009	21,179
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital</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>13,326</b>	<b>12,924</b>	<b>12,268</b>	<b>11,626</b>	<b>9,009</b>	<b>21,179</b>
<b>Total Discretionary Funds</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>	<b>26,753</b>	<b>34,691</b>	<b>33,055</b>	<b>32,467</b>	<b>24,113</b>	<b>22,322</b>
Expansion Fund (Restricted)	-	2	-	-	-	-	-	-	-	-	378	-	-
<b>Total Restricted Funds</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>378</b>	<b>-</b>	<b>-</b>
<b>TOTAL ALL FUNDS</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>	<b>26,753</b>	<b>34,691</b>	<b>33,055</b>	<b>32,845</b>	<b>24,113</b>	<b>22,322</b>

**DEVELOPMENT WORKLOAD - MONTHLY**

<b>CATEGORY</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>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>
<b><u>Phone Requests</u></b>													
Maps/Drawings	-	4	-	11	4	6	5	2	3	1	7	1	4
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	1	4	2	2	-	2	5	5	-	-	3	3	1
Development Questions	29	38	32	40	29	32	38	29	24	36	45	31	48
Miscellaneous	16	18	29	13	24	10	12	8	5	6	7	6	13
<b>TOTAL</b>	<b>46</b>	<b>64</b>	<b>63</b>	<b>66</b>	<b>57</b>	<b>50</b>	<b>60</b>	<b>44</b>	<b>32</b>	<b>43</b>	<b>62</b>	<b>41</b>	<b>66</b>
<b><u>Counter Requests</u></b>													
Maps/Drawings	-	-	1	-	-	-	-	-	-	-	-	-	-
Lateral Permits	12	13	7	7	8	5	19	20	7	10	10	15	8
Policy Questions	-	-	-	1	-	-	-	1	-	-	-	-	-
Development Questions	4	13	4	7	7	4	2	2	-	-	-	2	-
Miscellaneous	1	0	-	-	-	1	1	1	-	-	-	-	-
<b>TOTAL</b>	<b>17</b>	<b>26</b>	<b>12</b>	<b>15</b>	<b>15</b>	<b>10</b>	<b>22</b>	<b>24</b>	<b>7</b>	<b>10</b>	<b>10</b>	<b>17</b>	<b>8</b>
<b><u>Initial Request (Referrals)</u></b>	<b>16</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>9</b>	<b>9</b>	<b>13</b>	<b>8</b>	<b>7</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>17</b>
<b><u>Connection Permits Issued</u></b>													
Residential Permits	14	2	5	3	0	9	22	6	6	14	10	6	6
Commercial Permits	1	2	1	3	1	1	-	2	1	-	1	6	1
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PERMITS</b>	<b>15</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>1</b>	<b>10</b>	<b>22</b>	<b>8</b>	<b>7</b>	<b>14</b>	<b>11</b>	<b>12</b>	<b>7</b>
Residential Units	14	2	22	5	0	11	13	6	56	20	16	6	5
Commercial Units	1	2	1	133	1	1	-	2	1	-	20	6	1
<b>TOTAL UNITS</b>	<b>15</b>	<b>4</b>	<b>23</b>	<b>138</b>	<b>1</b>	<b>12</b>	<b>13</b>	<b>8</b>	<b>57</b>	<b>20</b>	<b>36</b>	<b>12</b>	<b>6</b>
<b><u>Annexations</u></b>													
Submitted	-	-	1	-	-	-	-	-	1	-	-	2	-
Acreage	-	-	44.84	-	-	-	-	-	0.50	-	-	18.2	-
<b><u>Plans Reviewed</u></b>													
<b><u>Subdivisions/Sites</u></b>													
First Submittal	8	8	5	8	24	12	5	12	7	13	12	12	9
Second Submittal	5	2	2	6	6	12	7	4	8	9	10	11	4
Third Submittal	1	3	7	3	6	4	5	3	2	4	8	4	6
<b><u>Building/Tenant Improvements</u></b>													
First Submittal	6	6	13	4	3	12	9	9	5	4	9	5	9
Second Submittal	1	4	5	1	4	3	2	6	4	2	10	4	5
Third Submittal	4	3	7	5	3	1	2	5	3	7	8	1	5
<b><u>Miscellaneous Plan Reviews</u></b>													
<b>TOTAL PLANS REVIEWED</b>	<b>25</b>	<b>26</b>	<b>39</b>	<b>27</b>	<b>46</b>	<b>44</b>	<b>30</b>	<b>39</b>	<b>29</b>	<b>39</b>	<b>57</b>	<b>37</b>	<b>38</b>

**INSPECTION WORKLOAD - MONTHLY**

<b>CATEGORY</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>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	11	4	6	1	2	4	4	3	3	-	-	1	2
Inspections - Mains	1	11	-	1	-	-	-	-	-	6	5	2	-
Inspections - Manholes	12	77	1	6	3	9	16	37	-	6	-	6	6
Inspections - Laterals	15	5	12	22	10	15	8	13	48	32	9	12	12
Inspections - Cleanouts	43	7	54	33	44	26	32	35	90	4	2	3	5
Inspections - Review Video	-	2	-	1	-	1	2	4	2	-	2	2	3
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	-	-	-	-	-	1
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>82</b>	<b>106</b>	<b>73</b>	<b>64</b>	<b>59</b>	<b>55</b>	<b>62</b>	<b>92</b>	<b>143</b>	<b>48</b>	<b>18</b>	<b>26</b>	<b>29</b>
<b><u>MISCELLANEOUS</u></b>													
Meter Readings	-	-	-	-	-	59	1	-	4	-	-	-	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	32	31	12	12	-	6	9	15	14	24	30	26	46
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>32</b>	<b>31</b>	<b>12</b>	<b>12</b>	<b>-</b>	<b>65</b>	<b>10</b>	<b>15</b>	<b>18</b>	<b>24</b>	<b>30</b>	<b>26</b>	<b>46</b>
<b><u>SPECIAL PROJECTS</u></b>	<b>22</b>	<b>35</b>	<b>23</b>	<b>19</b>	<b>30</b>	<b>10</b>	<b>0</b>	<b>11</b>	<b>26</b>	<b>23</b>	<b>22</b>	<b>23</b>	<b>21</b>



**RECYCLED WATER DELIVERIES - MONTHLY**

	Acres	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20
<b>MONTHLY (MG)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	65.339	49.784	31.724	16.340	0.007	0.001	12.483	20.366	24.765	52.367	75.187	74.385	62.144
Cemeteries	57.1	5.659	4.822	4.061	3.028	0.250	0.222	0.514	3.078	3.422	3.965	4.958	5.192	5.091
Parks	18.5	1.219	1.111	0.615	0.028	-	-	-	0.001	-	0.271	1.188	1.670	1.142
Schools	12.6	1.712	1.635	1.312	0.792	0.085	0.044	0.157	0.685	0.716	2.146	2.341	2.926	2.583
Commerical	166.5	17.837	15.824	13.499	11.799	2.254	0.986	3.206	9.845	9.241	13.725	15.874	20.068	18.844
Vineyards	3,442.0	42.981	27.367	13.852	7.027	15.494	3.170	5.250	46.305	17.728	19.191	24.276	51.661	68.013
Trucked Water	175.0	1.374	1.425	1.401	1.097	0.476	0.227	0.134	0.415	1.147	3.612	3.079	1.988	3.988
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>136.121</b>	<b>101.969</b>	<b>66.465</b>	<b>40.111</b>	<b>18.567</b>	<b>4.650</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>District Use</b>														
Jameson	330.0	0.470	-	-	-	-	0.024	-	-	-	-	-	1.479	1.146
Somky	213.0	25.944	20.394	6.391	4.513	-	0.006	0.050	0.026	0.080	5.408	13.369	14.836	10.491
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</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>0.026</b>	<b>0.080</b>	<b>5.408</b>	<b>13.369</b>	<b>16.315</b>	<b>11.638</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>162.534</b>	<b>122.363</b>	<b>72.856</b>	<b>44.624</b>	<b>18.567</b>	<b>4.681</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>ANNUAL (AF)</b>														
<b>Water Sold</b>														
Golf Courses	638.0	921	939	963	1,003	1,003	1,003	1,042	1,104	1,151	1,232	1,283	1,297	1,288
Cemeteries	57.1	97	99	102	102	101	100	102	110	116	117	121	120	118
Parks	18.5	14	16	17	15	15	15	15	15	15	15	16	19	18
Schools	12.6	33	33	33	33	33	33	33	35	37	40	42	45	47
Commerical	166.5	346	343	324	337	338	337	345	373	386	396	407	412	415
Vineyards	3,442.0	399	418	431	431	477	486	500	621	665	705	748	842	919
Trucked Water	175.0	15	18	22	24	25	26	26	27	31	40	48	50	58
<b>Subtotal Sales</b>	<b>4,509.6</b>	<b>1,825</b>	<b>1,865</b>	<b>1,891</b>	<b>1,945</b>	<b>1,993</b>	<b>2,001</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>District Use</b>														
Jameson	330.0	16	1	1	1	1	2	2	2	2	2	2	6	8
Somky	213.0	261	276	259	272	272	272	273	273	273	282	286	279	232
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>277</b>	<b>277</b>	<b>260</b>	<b>274</b>	<b>274</b>	<b>274</b>	<b>274</b>	<b>274</b>	<b>274</b>	<b>283</b>	<b>288</b>	<b>285</b>	<b>240</b>
<b>TOTAL DELIVERED</b>	<b>5,103.1</b>	<b>2,102</b>	<b>2,142</b>	<b>2,151</b>	<b>2,219</b>	<b>2,267</b>	<b>2,274</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>

**BIOSOLIDS HANDLING - MONTHLY**

<b>Site</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>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>
<u>Land Applied by NSD</u>													
Somky													
Fagundes		44											
Jameson Canyon	52		316	117	-	-	37	-	26	103	234	49	165
<b>Subtotal by NSD</b>	<b>52</b>	<b>44</b>	<b>316</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>	<b>26</b>	<b>103</b>	<b>234</b>	<b>49</b>	<b>165</b>
<u>Land Applied by Contractor</u>													
Somky												893	1,165
Fagundes													
Jameson Canyon													
<b>Subtotal by Contractor</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>893</b>	<b>1,165</b>
<b>Total Land Applied</b>	<b>52</b>	<b>44</b>	<b>316</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>	<b>26</b>	<b>103</b>	<b>234</b>	<b>942</b>	<b>1,330</b>
<b>Off Site (Contractor)</b>													
<b>Total (tons)</b>	<b>52</b>	<b>44</b>	<b>316</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>	<b>26</b>	<b>103</b>	<b>234</b>	<b>942</b>	<b>1,330</b>



**COLLECTION SYSTEM MAINTENANCE - MONTHLY**

<b>CATEGORY</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>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>
<b><u>Plugups</u></b>													
<b>Total Calls</b>	46	45	68	38	60	68	39	35	31	37	34	23	47
Business Hours	30	36	51	28	37	42	25	22	23	25	25	17	28
After Hours	16	9	17	10	23	22	14	13	8	12	9	6	19
District's	12	10	22	6	17	17	14	13	5	9	8	8	17
Property Owner's	34	32	43	32	42	46	24	22	26	28	26	15	30
Plugged Main Lines	-	-	-	1	-	1	-	-	-	-	-	1	-
Run Lateral w/Eel	149	115	160	97	104	112	103	124	17	56	194	222	151
<b><u>Cleaning (feet of sewer)</u></b>													
Vactor #1	69,780	38,969	52,711	51,764	42,519	22,372	37,916	68,243	36,849	18,947	39,019	45,066	2,936
Vactor #2	57,405	43,059	25,762	610	18,811	52,620	15,049	29,691	44,336	119,112	50,948	31,916	53,184
Hydro										42,241	-	-	-
Rodder					558	-	-		2,915	-	-	-	694
<b>Total (feet)</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>97,933</b>	<b>84,100</b>	<b>180,301</b>	<b>89,967</b>	<b>76,982</b>	<b>56,814</b>
<b><u>Cleaning Days</u></b>													
<b>Total</b>	<b>39</b>	<b>33</b>	<b>28</b>	<b>19</b>	<b>29</b>	<b>26</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>30</b>	<b>33</b>	<b>28</b>	<b>21</b>
Vactor #1	18	18	20	18	17	10	15	16	10	9	17	17	3
Vactor #2	21	15	8	1	10	16	5	8	11	17	16	11	17
Hydro										4	-	-	-
Rodder					2				2		-	-	1
<b><u>Feet/day</u></b>													
<b>Total</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>	<b>4,100</b>	<b>3,650</b>	<b>6,000</b>	<b>2,750</b>	<b>2,750</b>	<b>2,700</b>
Vactor #1	3,900	2,150	2,650	2,900	2,500	2,250	2,550	4,250	3,700	2,100	2,300	2,650	1,000
Vactor #2	2,750	2,850	3,200	600	1,900	3,300	3,000	3,700	4,050	7,000	3,200	2,900	3,150
Hydro										10,550			
Rodder					300			-	1,450				700
<b><u>Video Inspections</u></b>													
Mains (feet)	40,819	22,837	17,404	10,825	-	13,832	30,961	26,158	6,798	27,649	16,016	24,214	22,515
Laterals (each)	214	190	247	165	182	188	180	206	75	109	239	270	210
<b><u>Construction (each)</u></b>													
Cleanouts	17	15	20	10	4	8	15	15	1	3	12	9	15
Laterals	16	16	10	9	10	10	8	4	-	4	19	6	25
Mains	-	-	-	-	-	1	-	-	-	-	-	-	-
Manholes	2	-	2	-	-	-	-	5	-	-	-	1	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
<b><u>USA Markings</u></b>													
Regular (w/in 2 days)	363	331	332	224	290	271	423	232	258	260	284	278	297
Emergency (w/in 2 hours)	28	23	21	7	21	22	9	11	36	14	13	10	18



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

<b>CATEGORY</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>Mar-20</b>	<b>Apr-20</b>	<b>May-20</b>	<b>Jun-20</b>	<b>Jul-20</b>	<b>Aug-20</b>
<b><u>Scheduled</u></b>													
Old	7	7	8	17	24	23	49	5	6	9	39	25	26
New	85	94	106	89	87	99	75	90	110	102	91	107	88
Completed	85	93	97	82	88	73	119	89	107	72	105	106	74
<b>New Balance</b>	<b>7</b>	<b>8</b>	<b>17</b>	<b>24</b>	<b>23</b>	<b>49</b>	<b>5</b>	<b>6</b>	<b>9</b>	<b>39</b>	<b>25</b>	<b>26</b>	<b>40</b>
<b><u>Unscheduled</u></b>													
Old	22	21	21	24	20	19	32	23	16	14	17	21	21
New	28	20	39	24	29	24	21	15	8	20	33	23	21
Completed	29	20	36	28	30	11	30	22	10	17	29	23	19
<b>New Balance</b>	<b>21</b>	<b>21</b>	<b>24</b>	<b>20</b>	<b>19</b>	<b>32</b>	<b>23</b>	<b>16</b>	<b>14</b>	<b>17</b>	<b>21</b>	<b>21</b>	<b>23</b>
<b><u>Total Work Orders</u></b>													
Old	29	28	29	41	44	42	81	28	22	23	56	46	47
New	113	114	145	113	116	123	96	105	118	122	124	130	109
Completed	113	113	133	110	116	84	149	112	118	90	135	130	93
<b>New Balance</b>	<b>28</b>	<b>29</b>	<b>41</b>	<b>44</b>	<b>42</b>	<b>81</b>	<b>28</b>	<b>22</b>	<b>23</b>	<b>56</b>	<b>46</b>	<b>47</b>	<b>63</b>
<b><u>LAB ANALYSES</u></b>													
<b>Sample Type</b>													
Regulatory	149	142	147	240	176	157	192	213	237	140	172	220	189
Process Control	838	818	893	1,010	1,072	1,208	1,039	1,058	1,015	708	815	776	772
Special Request	22	26	46	38	16	-	32	16	12	20	140	38	51
Quality Control/Assurance	600	607	774	957	839	923	1,324	1,043	1,058	595	622	661	674
<b>TOTAL</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>	<b>2,330</b>	<b>2,322</b>	<b>1,463</b>	<b>1,749</b>	<b>1,695</b>	<b>1,686</b>

**Summary of NSD Capital Project Status  
through 08-31-20**

<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>
<b><u>COLLECTION SYSTEM - PROJECTS</u></b>									
13701	Main Line Sewer Rehab	62,100			62,100	-	139	61,961	0%
13702	Manhole Raising/Rehab	250,000			250,000	-	228	249,772	0%
13703	Lateral Replacement/Rehab	113,900			113,900	-	21,230	92,670	19%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	10,863	87,837	11%
13705	I&I Reduction Program	30,000	210,500		240,500	-	-	240,500	-
14703	Browns Valley Rd & First St	14,000,000	5,733,950		19,733,950	17,989,139	71,398	1,673,413	0%
18702	Coll Sys Asset Mgmt Software	-	216,600		216,600	211,700	3,588	1,312	2%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	268,429	5,646	14,812,476	0%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	4,855,884	884,890	450,625	14%
19727	Coll Sys Master Plan	-	100,000		100,000	-	1,485	98,515	1%
20702	Manhole Rehabilitation	250,000			250,000	39,230	-	210,770	-
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	61,850	6,314	3,358,386	0%
21701	2022 Collection System Rehab	20,000			20,000	-	-	20,000	-
21718	NN Siphon Gate Replacement	-	-	25,000	25,000	-	-	25,000	-
<b><u>COLLECTION SYSTEM - EQUIPMENT</u></b>									
21702	Pickup-mounted Camera Sys	65,000		12,000	77,000	-	-	77,000	-
<b><u>COLLECTION SYSTEM - LIFT STATIONS</u></b>									
17711	West Napa PS - Rehab	5,500,000	4,546,450		10,046,450	8,579,946	14,340	1,452,164	0%
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	1,870,650	7,773	65,327	0%
18740	Treatment Plant Project 2019	-	64,850		64,850	49,604	396	14,850	1%
20706	WWTP Master Plan	1,235,400	950		1,236,350	700,000	1,526	534,824	0%
20707	Pond Levee Repair	700,000	9,150		709,150	186,454	26,170	496,527	4%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	185,964	2,289	1,219,347	0%
<b><u>TREATMENT - EQUIPMENT</u></b>									
13735	Dual Fuel Boiler Burner	-	55,750		55,750	32,908	-	22,843	-

**Summary of NSD Capital Project Status  
through 08-31-20**

<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		1,090,200	890,130	44,192	155,878	4%
17726	Headworks Equip Rehab/Rplcmnt	-	240,700		240,700	86,476	17,916	136,308	7%
18718	Sec Clarifier Mech/Strct Rehab	83,200			83,200	-	-	83,200	-
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	25,000		25,000	-	-	25,000	-
19708	Rotork Actuator Rplcmnt	-	75,900		75,900	-	21,361	54,539	28%
19709	Polymer Tank Rplcmnt	207,000	10,000	(25,000)	192,000	-	-	192,000	-
19710	12kV Redundant Line	-	83,650		83,650	40,149	-	43,501	-
19715	ARV Rplcmnt	-	4,750		4,750	-	-	4,750	-
20709	AB Caustic Pumps & Enclosure	-	68,600		68,600	13,071	3,317	52,212	5%
20710	Septage Pump & Motor Rplcmnt	-	4,950		4,950	-	4,746	204	96%
20711	Marsh-to-Pond PS Upgrade	-	87,550		87,550	-	246	87,304	0%
20712	Grit Pump Rebuild	-	5,000		5,000	-	4,746	254	95%
20713	Elevator Control Update	-	400,000		400,000	-	-	400,000	-
20715	Concrete Pipe Chase Covers	-	80,000		80,000	64,015	-	15,985	-
20716	Plant Door Replacement PH 1	-	22,200		22,200	-	-	22,200	-
21704	Headworks - Washer Compactor	314,400			314,400	-	-	314,400	-
21705	Pipe Threader	13,000			13,000	-	-	13,000	-
21706	Rotork Actuator Replacement	101,800			101,800	-	-	101,800	-
21707	Digester Roof Grating Rplcmnt	110,900			110,900	-	-	110,900	-
21708	Head works - Roof Replacement	80,300			80,300	-	-	80,300	-
21709	Plant Door Replacement - Ph 2	23,000			23,000	-	-	23,000	-
21710	Veh 175 - F-150	31,000			31,000	-	-	31,000	-
	<b><u>LAB - EQUIPMENT</u></b>								
21711	Autoclave Rplcmnt	34,400			34,400	-	-	34,400	-
21712	Sampler 4700 Rplcmnt	10,400			10,400	-	-	10,400	-
	<b><u>SCADA</u></b>								
18729	SCADA MP Proj 1 Ntwk Mntng	-	46,200		46,200	-	-	46,200	-
19718	SCADA MP PH 5 Security Stdy	-	51,850		51,850	-	-	51,850	-
21713	SCADA Network Upgrades	225,000			225,000	-	-	225,000	-

**Summary of NSD Capital Project Status  
through 08-31-20**

<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>RECYCLING - PROJECTS</b>								
18731	Coombsville Truck Fill Station	-	112,100		112,100	-	1,075	111,025	1%
20721	Kirkland RW Pipeline Rehab	-	12,900		12,900	1,658	5,286	5,956	41%
	<b>RECYCLING - EQUIPMENT</b>								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700	-	-	30,700	-
20722	Badger Meter Replacement	-	80,000		80,000	-	170	79,830	0%
21715	Soscol Recycle Pump #2 Rehab	160,700			160,700	-	-	160,700	-
21716	Veh 174 - Ford F-350 SB	75,700			75,700	-	-	75,700	-
21717	Veh 723 - Water Trailer	42,800			42,800	-	-	42,800	-
	<b>OTHER</b>								
13729	Development Technical Support	348,800			348,800	-	43,771	305,029	13%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000		20,000	-	-	20,000	-
		<b>\$43,246,800</b>	<b>\$22,656,650</b>	<b>-</b>	<b>\$65,903,450</b>	<b>\$36,127,255</b>	<b>\$1,205,103</b>	<b>\$28,571,094</b>	<b>2%</b>