



**Napa Sanitation District**

**General Manager's Report**

**for**

**July, 2017**

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**DATE:** September 6, 2017  
**FROM:** Timothy B. Healy, General Manager  
**SUBJECT:** General Manager’s Report for July, 2017

**REGULATORY COMPLIANCE:**

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 7 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, 2016 – July 31, 2017
Percent Fiscal Year:	8.3%
Operating Expenditures to date:	6.7%
Historical Expenditures to date:	18.9%
Significant Comments:	Typically the “Operating Expenditures to date” would include the first debt service payment. This year, instead of paying it on the last day in July, the payment was made in August, which contributes to the lower than “Historical Expenditures to date”. In addition, the intrafund transfer from the Operating to Capital Fund has not been done yet. Cash flow in the Capital Fund has been sufficient. We will monitor this closely and make the fund transfer when funds become low in the Capital Fund.

**PERSONNEL:**

Significant events for the month of July, 2017 in the Human Resources Department:

New Hires:	None
Separations:	Kyle Broughton, Senior Civil Engineer, resigned.
Promotions:	None
Recruitment Activities:	Continued recruitment for Operator-in-Training/Operator I, began recruitment for Engineer position and Collection System Worker-in-Training position.
Injuries:	None

*Summaries of Operational Highlights are as follows:*

### **COLLECTIONS:**

Significant events for the month of July 2017 in Collection System Maintenance include:

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 7 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 drain pipe 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 28 cleanouts and raised 3 cleanouts. Additionally, the service response/programs crew completed 85 work orders in support of the grease and odor control program, responded to 38 customer requests for service (17 were NSD problem) and closed out 218 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 139 laterals, cleaned approximately 59,917 feet of main line and CCTV inspected approximately 15,731 feet of main line and 85 laterals.

### **TREATMENT PLANT:**

Significant events for the month of July 2017 in the Treatment Plant Department:

#### **Plant Operations:**

- For July 2017, the plant's influent flow was 202 MG as compared to last year flow for July 2016 of 191 MG
- There was no flow to the Napa River for July 2017
- The production of recycle quality occurred for 31 days during July 2017 with a total distributed flow of 133 MG.
- There was .0" rain fall for July 2017 as compared to 0" rain fall for July 2016.
- Pond 4 end of the month recorded level reading was 16.35" as compared to July 2016 of 50.49". Total remaining pond capacity for July 2017 was 68% as compared to July 2016 remaining capacity of 60%.

#### **Power Consumption and Production:**

- This July power consumption purchased from PG&E was 411 MWH in comparison to July 2016 purchase of 546 MWH.
- Cogeneration unit ran 729 of 744 hours for the month – 97.98% uptime, averaging 273 Kw.
- Solar generation in July was 213 MWH, compared to 203 MWH in June.

Maintenance:

Significant events for the month of July, 2017:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit.
- Replaced whisker switch on belt press #3
- Installed conduit and level transducer on poly tank @ P-4 PS
- Sand filter #2 cell replaced Turbidity bulb
- Replaced Gas Compressor inlet scrubber filter
- Rebuilt wet-end of FOG mix pump #1
- Replaced Lab UPS
- Bio-Air nutrient feed valve replaced

Projects

- Implemented into SCADA flow readings for load balance and aux water heat exchangers

Standby Power

- Plant generators ran 11 minutes due to grid loss of phase
- Riverpark, West Napa, Stonecrest operational testing only

Influent Pumps

- Pumps are all operational

Laboratory:

- Monthly composite **Influent (INF-001)** monitoring was conducted on July 4<sup>th</sup>, 2017, no unusual results were identified. The following results were outside Local Limits:
  - **Sodium:** 100.0 mg/L (Sodium Local Limit: 90 mg/L)
- Monthly **Recycle Effluent (REC-001)** monitoring was conducted on July 4<sup>th</sup>, 2017. No unusual results were identified and all parameters were within the state's Water Reuse Requirements.

**RECYCLING:**

Significant events in the Recycling Department for July 2017 include:

- Recycled water delivered for the month of July 2017 (133.837 million gallons), as compared to July 2016 (119.374 million gallons) is higher due to increases in Golf

Course, Commercial Landscape and Vineyard use. Delivered recycled water volume represents the sum of all use site flow meter consumption values.

- Staff continued land application of biosolids at the Jameson Reuse Site.

### **POLLUTION PREVENTION:**

Significant events in the Pollution Prevention Department for July 2017 include:

- Two facility tours were given to the public.
- The Napa Safe Medication Collection Program is temporarily on hold while we make sure we are in compliance with the new California Board of Pharmacy regulations. The total amount of unneeded medications collected since program inception in September 2010 is 20,802.2 pounds.
- The District issued 16 Toilet Rebates for \$1,600.
- The District issued 1 ESME Washer Rebates at \$12.50.

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

Significant events occurring in the Engineering Department for July 2017 include:

- Consultant started design of the West Napa Pump Station Rehabilitation Project.
- Consultant started design of the Headworks Equipment Replacement Project.
- Staff reviewed consultant proposals and selected a consultant for construction management and inspection services for the Recycled Water Reservoir Improvements Project.
- Staff issued Notice Inviting Bids for the Recycled Water Reservoir Improvements Project.
- Staff continued design of the 2018 Collection System Rehabilitation Project.
- Staff received preliminary design technical memorandum 3W utility water system improvements project.
- Consultant continued design of the Browns Valley Trunk Project.
- Consultant continued work on the Buildability/Constructability review for the Browns Valley Trunk Project.
- Consultant and Staff completed the Asset Management Plan and presented the Program to the Board.
- Contractor continued construction the MST Recycled Water Pipeline Expansion Project.
- Contractor continued construction phase activities for the Soscol/Sousa Trunk Rehabilitation Project.
- Contractor continued construction of the 2017 Collection System Rehabilitation Project.

- Contractor continued construction of Manhole Adjustment Project – Phase VI.
- Contractor continued construction for the LED Pole/Arm Fixture Replacement project.
- Staff issued notice inviting bids for the Earthquake Repair Project.
- Staff reviewed 42 sets of development plans and deemed 18 sets of plans complete. The approved plans consisted of one residential lateral, two residential buildings, seven tenant improvements, one commercial building, two commercial laterals, two public laterals, and three recycled water laterals.

**Budget Status & Cash Summary - July 1, 2017 - July 31, 2017 (8.3% of the year)**

<i>Expenditures</i>	<b>FY 17-18 Budget</b>	<b>Expenditures to date</b>	<b>Encumbrances</b>	<b>Committed to date</b>	<b>Remaining Balance</b>	<b>Percent Committed</b>
<b>Operating</b>						
Salaries & Benefits	\$9,581,300	\$510,087	\$4,200	\$514,287	\$9,067,013	5.4%
Services & Supplies	5,814,350	372,620	1,062,212	1,434,832	4,379,518	24.7%
Taxes	28,650	-	-	-	28,650	0.0%
Debt Service	4,777,450	-	-	-	4,777,450	① 0.0%
Intrafund Transfers	8,900,000	-	-	-	8,900,000	0.0%
<b>Total Operating:</b>	<b>\$29,101,750</b>	<b>\$882,707</b>	<b>\$1,066,412</b>	<b>\$1,949,119</b>	<b>\$27,152,631</b>	<b>② 6.7%</b>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$25,018,300	\$66,841	\$199,279	\$266,120	\$24,752,180	③ 1.1%
Intrafund Transfers	3,630,000	-	-	-	3,630,000	0.0%
<b>Total Capital :</b>	<b>\$28,648,300</b>	<b>\$66,841</b>	<b>\$199,279</b>	<b>\$266,120</b>	<b>\$28,382,180</b>	<b>0.9%</b>
<b>Grand Total Expenditures:</b>	<b>\$57,750,050</b>	<b>\$949,548</b>	<b>\$1,265,691</b>	<b>\$2,215,239</b>	<b>\$55,534,811</b>	<b>3.8%</b>

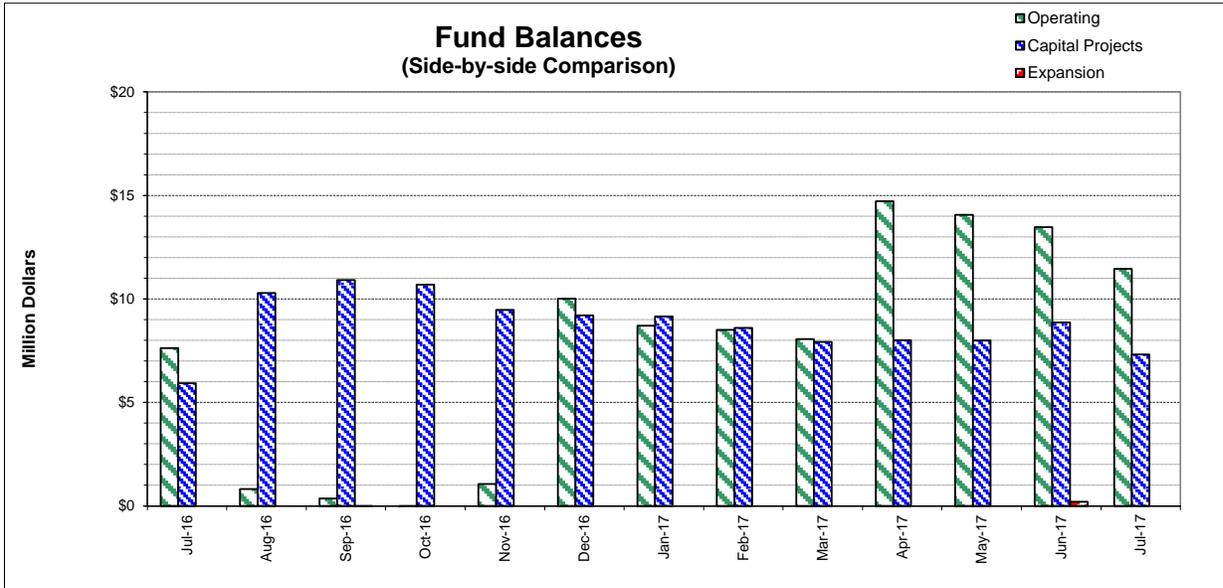
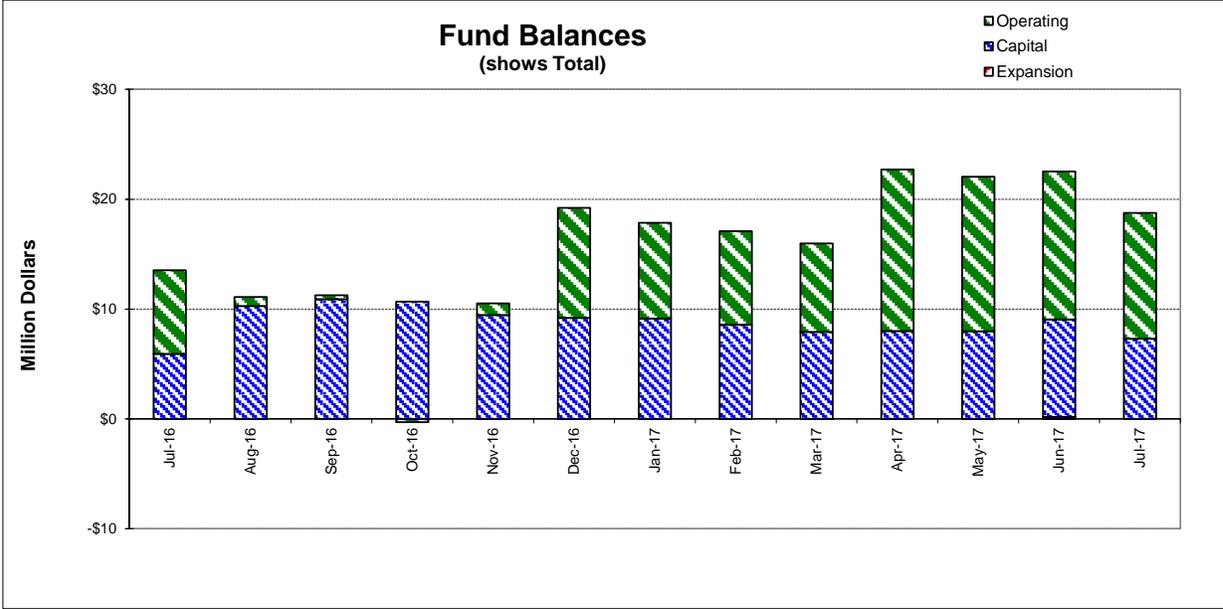
<i>Revenues</i>	<b>FY 17-18 Budget</b>	<b>Collected to date</b>	<b>Encumbrances</b>	<b>Received to Date</b>	<b>Uncollected Revenue</b>	<b>Percent Collected</b>
<b>Operating</b>						
Use of Money/Property	\$896,000	\$181,346		\$181,346	\$714,654	20.2%
Intergovernmental	\$15,000	\$0		-	15,000	N/A
Charges for Services	27,429,100	282,634		282,634	27,146,466	1.0%
Miscellaneous Revenues	61,000	342,401		342,401	(281,401)	④ 561.3%
Donations/Contributions (Capital Labor)	-	66,841		66,841	(66,841)	⑤ N/A
<b>Total Operating:</b>	<b>\$28,401,100</b>	<b>\$873,221</b>		<b>\$873,221</b>	<b>\$27,527,879</b>	<b>3.1%</b>
<b>Capital</b>						
Use of Money/Property	\$0	\$0		\$0	\$0	N/A
Capacity Charges	3,630,000	98,130		98,130	3,531,870	2.7%
Intergovernmental	4,076,000	-		-	4,076,000	0.0%
Bond/Loan Proceeds	10,137,000	-		-	10,137,000	0.0%
Sale of Assets	25,000	-		-	25,000	N/A
Miscellaneous Revenues	-	-		-	-	N/A
Intrafund Transfers	12,530,000	-		-	12,530,000	0.0%
<b>Total Capital:</b>	<b>\$30,398,000</b>	<b>\$98,130</b>		<b>\$98,130</b>	<b>\$30,299,870</b>	<b>0.3%</b>
<b>Grand Total Revenue:</b>	<b>\$58,799,100</b>	<b>\$971,351</b>		<b>\$971,351</b>	<b>\$57,827,749</b>	<b>1.7%</b>

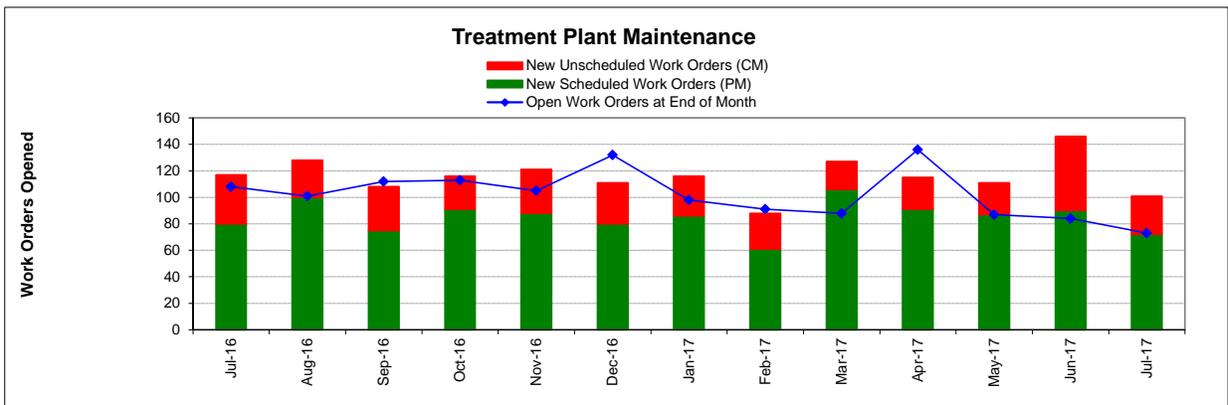
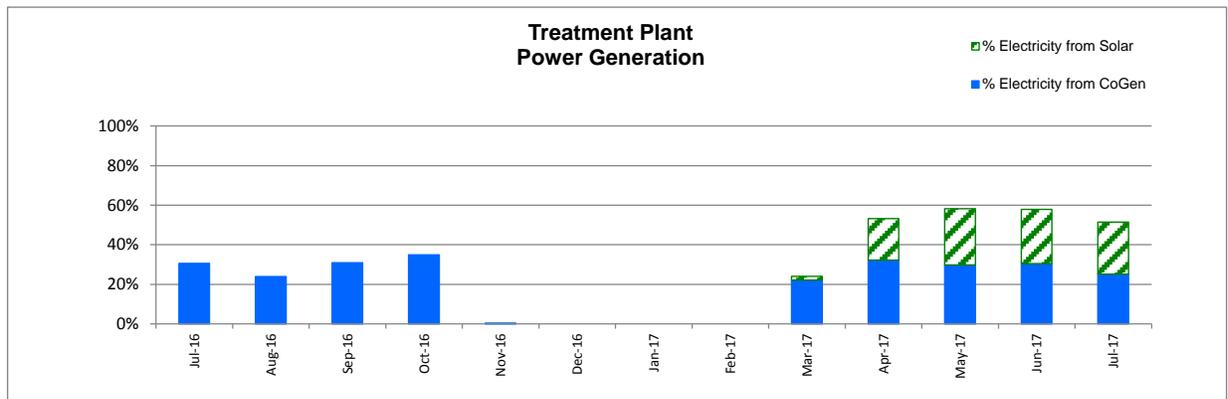
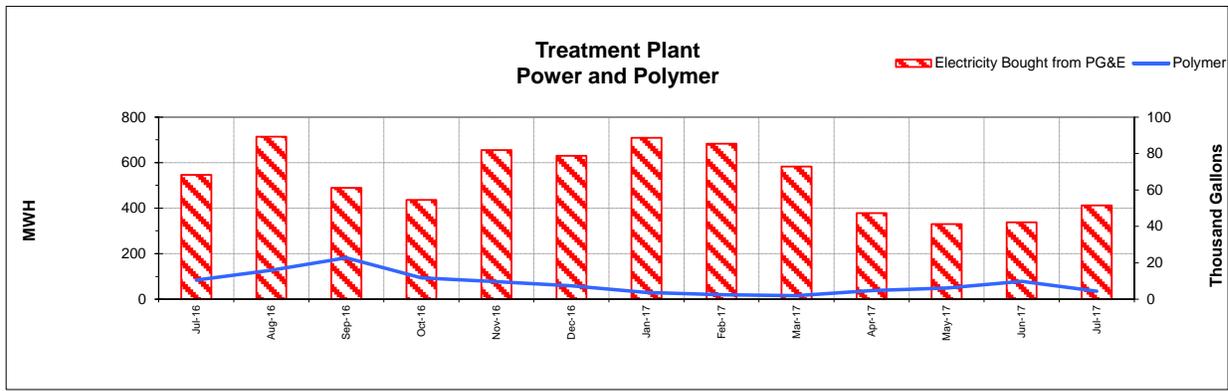
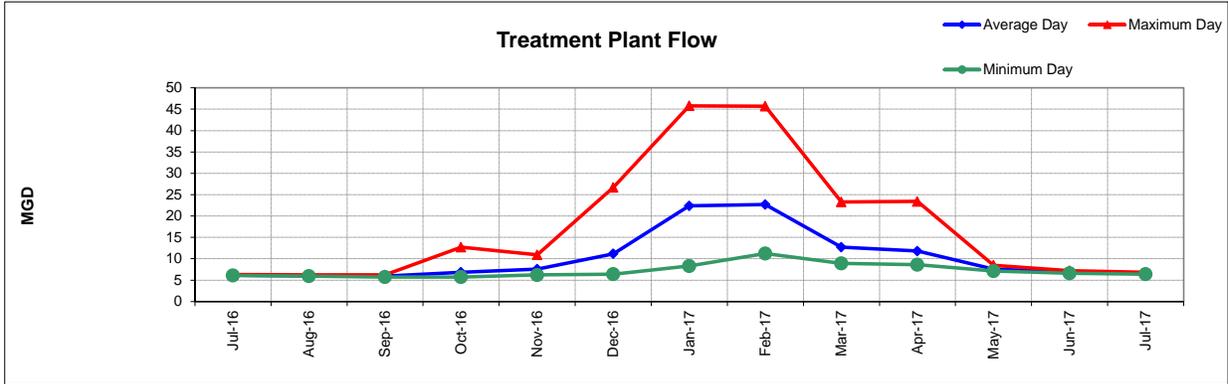
**Cash on Hand as of 7/31/17** **\$18,761,774**

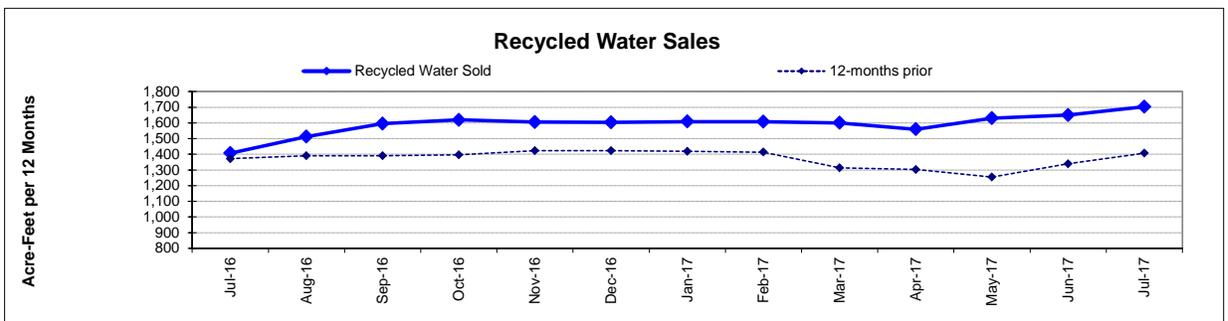
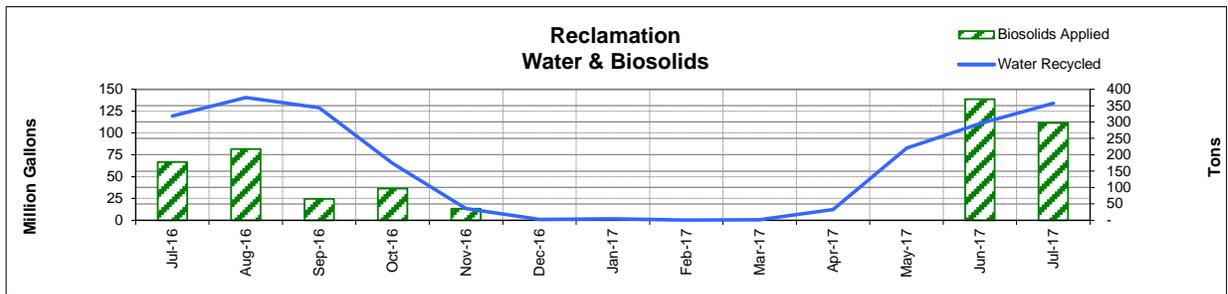
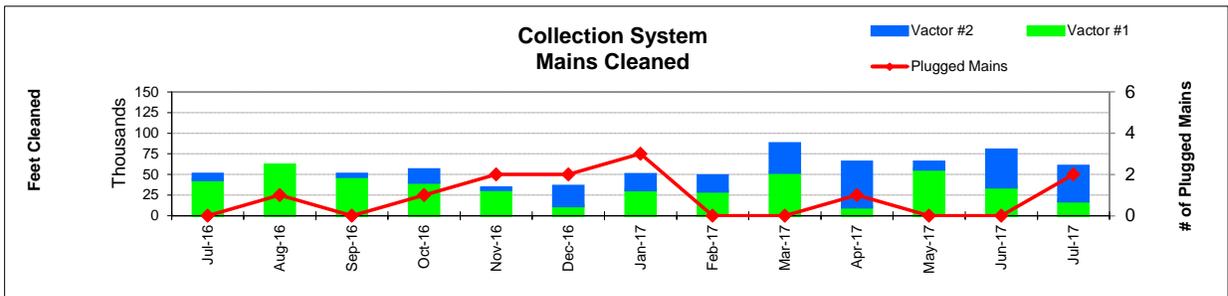
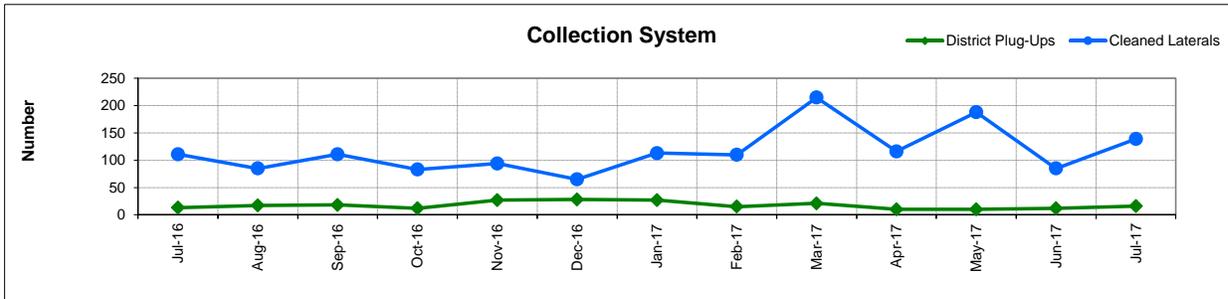
\*\*excluding Debt Service restricted funds  
07/31/17 - Effective Rate of Return = 0.99%

1. Series 2009B's and 2012A's principal/interest payments are made in Aug & Feb
2. Includes Debt Service and Intrafund Transfers; otherwise is 12.6%
3. See Capital Project Status report for details
4. Includes reimbursement from NBWRA from FY 16-17.
5. In-house Labor for Capital Projects (Contra acct for Salaries)

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**FUND BALANCES - MONTHLY**

<b>CATEGORY</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<i>(Thousand Dollars)</i>													
7800	7,626	819	362	(293)	1,062	10,012	8,701	8,506	8,055	14,722	14,059	13,463	11,450
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Operating</b>	<b>7,626</b>	<b>819</b>	<b>362</b>	<b>(293)</b>	<b>1,062</b>	<b>10,012</b>	<b>8,701</b>	<b>8,506</b>	<b>8,055</b>	<b>14,722</b>	<b>14,059</b>	<b>13,463</b>	<b>11,450</b>
Capital Improvement Projects	5,924	10,284	10,912	10,685	9,470	9,204	9,154	8,598	7,921	8,001	7,995	8,867	7,312
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital</b>	<b>5,924</b>	<b>10,284</b>	<b>10,912</b>	<b>10,685</b>	<b>9,470</b>	<b>9,204</b>	<b>9,154</b>	<b>8,598</b>	<b>7,921</b>	<b>8,001</b>	<b>7,995</b>	<b>8,867</b>	<b>7,312</b>
<b>Total Discretionary Funds</b>	<b>13,550</b>	<b>11,103</b>	<b>11,274</b>	<b>10,392</b>	<b>10,532</b>	<b>19,216</b>	<b>17,855</b>	<b>17,104</b>	<b>15,976</b>	<b>22,723</b>	<b>22,054</b>	<b>22,330</b>	<b>18,762</b>
Expansion Fund (Restricted)	-	-	1	-	-	-	-	-	-	-	-	202	-
<b>Total Restricted Funds</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>202</b>	<b>-</b>							
<b>TOTAL ALL FUNDS</b>	<b>13,550</b>	<b>11,103</b>	<b>11,275</b>	<b>10,392</b>	<b>10,532</b>	<b>19,216</b>	<b>17,855</b>	<b>17,104</b>	<b>15,976</b>	<b>22,723</b>	<b>22,054</b>	<b>22,532</b>	<b>18,762</b>

**DEVELOPMENT WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<b><u>Phone Requests</u></b>													
Maps/Drawings	5	9	5	8	7	4	9	7	4	5	5	5	3
Lateral Permits	-	-	-	-	-	-	-	2	2	-	-	-	-
Policy Questions	7	11	7	3	8	6	6	10	6	4	10	19	11
Development Questions	99	126	56	61	48	47	45	60	63	62	91	95	51
Miscellaneous	14	15	7	4	6	4	8	6	6	8	8	10	11
<b>TOTAL</b>	<b>125</b>	<b>161</b>	<b>75</b>	<b>76</b>	<b>69</b>	<b>61</b>	<b>68</b>	<b>85</b>	<b>81</b>	<b>79</b>	<b>114</b>	<b>129</b>	<b>76</b>
<b><u>Counter Requests</u></b>													
Maps/Drawings	3	7	5	1	-	1	2	1	-	1	3	6	2
Lateral Permits	9	19	19	13	14	7	11	5	11	10	10	18	15
Policy Questions	-	2	2	2	1	-	3	2	1	-	5	2	5
Development Questions	17	30	17	10	8	4	9	13	5	15	29	21	8
Miscellaneous	5	6	4	2	1	2	3	1	-	1	5	6	2
<b>TOTAL</b>	<b>34</b>	<b>64</b>	<b>47</b>	<b>28</b>	<b>24</b>	<b>14</b>	<b>28</b>	<b>22</b>	<b>17</b>	<b>27</b>	<b>52</b>	<b>53</b>	<b>32</b>
<b><u>Initial Request (Referrals)</u></b>	<b>12</b>	<b>22</b>	<b>10</b>	<b>7</b>	<b>21</b>	<b>23</b>	<b>17</b>	<b>11</b>	<b>25</b>	<b>17</b>	<b>22</b>	<b>20</b>	<b>10</b>
<b><u>Connection Permits Issued</u></b>													
Residential Permits	-	1	1	21	-	-	-	1	3	1	1	12	1
Commercial Permits	1	1	2	6	4	3	-	1	3	1	4	2	2
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PERMITS</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>27</b>	<b>4</b>	<b>3</b>	<b>-</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>14</b>	<b>3</b>
Residential Units	-	1	1	21	-	-	-	1	3	1	2	35	1
Commercial Units	1	1	146	14	4	3	-	3	-	1	4	7	2
<b>TOTAL UNITS</b>	<b>1</b>	<b>2</b>	<b>147</b>	<b>35</b>	<b>4</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>42</b>	<b>3</b>
<b><u>Annexations</u></b>													
Submitted	-	-	1	-	1	-	-	-	-	-	-	-	-
Acreage	-	-	1.10	-	27.11	-	-	-	-	-	-	-	-
<b><u>Plans Reviewed</u></b>													
<b><u>Subdivisions/Sites</u></b>													
First Submittal	1	8	4	3	5	2	10	2	4	11	6	8	10
Second Submittal	1	6	4	3	-	2	2	3	7	6	8	4	5
Third Submittal	3	1	7	-	1	3	2	1	5	1	2	8	4
<b><u>Building/Tenant Improvements</u></b>													
First Submittal	3	12	4	8	5	4	10	5	7	4	9	17	8
Second Submittal	6	4	9	3	4	4	5	2	5	4	4	5	9
Third Submittal	5	1	5	3	8	6	2	1	10	3	7	8	6
<b><u>Miscellaneous Plan Reviews</u></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL PLANS REVIEWED</b>	<b>19</b>	<b>32</b>	<b>33</b>	<b>20</b>	<b>23</b>	<b>21</b>	<b>32</b>	<b>14</b>	<b>38</b>	<b>29</b>	<b>36</b>	<b>50</b>	<b>42</b>

**INSPECTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	1	-
Preconstruction Meetings	3	9	-	5	6	5	9	6	6	4	1	2	3
Inspections - Mains	2	1	-	-	10	1	-	-	6	1	-	4	-
Inspections - Manholes	3	-	-	81	27	89	46	16	15	61	1	9	3
Inspections - Laterals	20	20	9	7	37	11	24	17	50	14	3	8	11
Inspections - Cleanouts	28	25	4	29	71	20	42	38	74	25	-	2	4
Inspections - Review Video	-	3	-	2	2	4	1	-	-	-	2	-	3
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	1	-	-	-	-	2	-	1	2	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>56</b>	<b>59</b>	<b>13</b>	<b>124</b>	<b>153</b>	<b>130</b>	<b>124</b>	<b>77</b>	<b>152</b>	<b>107</b>	<b>7</b>	<b>26</b>	<b>24</b>
<b><u>MISCELLANEOUS</u></b>													
Meter Readings	10	9	-	9	-	18	100	-	13	24	-	-	-
Washdown Facility Inspections	-	-	-	-	19	-	-	-	-	-	-	-	-
General Customer Assistance	4	4	9	13	-	6	11	11	10	12	11	30	-
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	34
<b>TOTAL</b>	<b>14</b>	<b>13</b>	<b>9</b>	<b>22</b>	<b>19</b>	<b>24</b>	<b>111</b>	<b>11</b>	<b>23</b>	<b>36</b>	<b>11</b>	<b>30</b>	<b>34</b>
<b><u>SPECIAL PROJECTS</u></b>	<b>31</b>	<b>22</b>	<b>7</b>	<b>9</b>	<b>32</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>21</b>

**POLLUTION PREVENTION WORKLOAD - MONTHLY**

<b>CATEGORY</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<b><u>Outreach Activities</u></b>													
Plant Tours Conducted	0	0	0	7	8	0	1	4	11	3	4	1	2
Presentations Made	0	1	0	0	3	0	1	2	1	1	5	1	0
<b>Total Outreach Activities</b>	-	1	-	7	11	-	2	6	12	4	9	2	2
<b><u>Inspections Conducted</u></b>													
Food Service Facilities	-	-	1	-	-	37	21	53	35	25	-	-	-
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Inspections</b>	-	-	1	-	-	37	21	53	35	25	-	-	-
<b><u>Compliance Issues</u></b>													
NOVs Issued	1	-	-	-	-	2	-	1	4	-	-	1	-
NOEs Issued	-	-	1	-	1	2	-	1	1	-	1	-	-
Non-Compliant-FOG	-	-	-	-	-	-	-	1	1	-	-	-	-
<b>Total Compliance Issues</b>	1	-	1	-	1	4	-	3	6	-	1	1	-
<b><u>Pollution Prevention</u></b>													
Clothes Washer Rebates	-	-	-	-	20	26	28	21	-	-	28	21	1
Toilet Retrofit Rebates	-	11	4	12	8	12	5	4	7	1	2	7	16
Pharmaceuticals Diverted (in lbs)	362	303	386	391	291	63	155	201	71	185	302	368	-

**RECYCLED WATER DELIVERIES - MONTHLY**

	Acres	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
<b>MONTHLY (MG)</b>														
<b>Water Sold</b>														
Golf Courses	405.0	62.709	63.227	49.600	25.538	6.308	0.002	0.245	-	0.081	2.513	53.481	66.261	73.994
Cemeteries	5.0	0.931	0.754	1.225	0.328	0.010	0.000	-	-	-	-	0.705	0.754	0.834
Parks	18.5	1.299	1.172	0.741	0.205	-	-	-	-	0.002	0.001	0.624	1.020	0.902
Schools	21.0	2.181	2.120	1.497	0.630	0.014	0.006	0.005	-	0.005	0.013	1.396	2.604	2.250
Commerical	167.6	14.878	17.259	15.070	9.563	3.457	0.490	1.191	0.404	0.501	2.493	15.246	17.491	17.454
Vineyards	564.0	15.693	21.832	17.609	6.065	3.528	0.302	0.194	0.063	0.101	7.119	4.868	10.709	19.143
Trucked Water	175.0	0.232	0.458	0.135	0.124	0.008	0.188	0.009	0.002	0.015	0.018	0.027	0.051	0.474
<b>Subtotal Sales</b>	<b>1,356.1</b>	<b>97.923</b>	<b>106.821</b>	<b>85.877</b>	<b>42.454</b>	<b>13.326</b>	<b>0.988</b>	<b>1.644</b>	<b>0.469</b>	<b>0.705</b>	<b>12.156</b>	<b>76.347</b>	<b>98.891</b>	<b>115.051</b>
<b>District Use</b>														
Jameson	330.0	5.414	12.456	20.935	12.608	-	-	0.089	-	0.087	0.032	-	-	7.298
Somky	213.0	16.037	21.318	22.108	10.000	0.001	-	-	-	0.002	-	6.256	11.738	11.488
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>21.451</b>	<b>33.774</b>	<b>43.043</b>	<b>22.609</b>	<b>0.001</b>	<b>-</b>	<b>0.089</b>	<b>-</b>	<b>0.089</b>	<b>0.032</b>	<b>6.256</b>	<b>11.738</b>	<b>18.786</b>
<b>TOTAL DELIVERED</b>	<b>1,949.6</b>	<b>119.374</b>	<b>140.594</b>	<b>128.920</b>	<b>65.062</b>	<b>13.327</b>	<b>0.988</b>	<b>1.733</b>	<b>0.469</b>	<b>0.794</b>	<b>12.188</b>	<b>82.603</b>	<b>110.628</b>	<b>133.837</b>
<b>ANNUAL (AF)</b>														
<b>Water Sold</b>														
Golf Courses	405.0	891	920	946	960	971	968	969	969	969	936	985	1,013	1,047
Cemeteries	5.0	13	13	15	14	14	14	14	14	14	14	14	14	14
Parks	18.5	17	17	17	16	16	16	16	16	16	16	16	16	14
Schools	21.0	38	38	37	36	34	34	34	34	34	33	32	32	32
Commerical	167.6	293	302	308	304	301	301	304	305	299	287	300	301	309
Vineyards	564.0	149	215	268	285	265	266	266	265	264	270	279	270	281
Trucked Water	175.0	5	6	5	4	4	5	5	5	5	4	4	4	5
<b>Subtotal Sales</b>	<b>1,356.1</b>	<b>1,407</b>	<b>1,512</b>	<b>1,596</b>	<b>1,619</b>	<b>1,605</b>	<b>1,603</b>	<b>1,609</b>	<b>1,607</b>	<b>1,600</b>	<b>1,559</b>	<b>1,630</b>	<b>1,650</b>	<b>1,702</b>
<b>District Use</b>														
Jameson	330.0	124	153	167	163	163	163	163	163	163	163	163	158	164
Somky	213.0	208	230	223	222	222	222	222	222	222	222	241	268	254
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>332</b>	<b>383</b>	<b>390</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>404</b>	<b>427</b>	<b>419</b>
<b>TOTAL DELIVERED</b>	<b>1,949.6</b>	<b>1,739</b>	<b>1,894</b>	<b>1,986</b>	<b>2,004</b>	<b>1,990</b>	<b>1,988</b>	<b>1,994</b>	<b>1,992</b>	<b>1,985</b>	<b>1,945</b>	<b>2,034</b>	<b>2,077</b>	<b>2,121</b>

**BIOSOLIDS HANDLING - MONTHLY**

<b>Site</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<u>Land Applied by NSD</u>													
Somky													
Airport/Fagundes													
Jameson Canyon	178	217	65	97	35	-	-	-	-	-	-	370	297
<b>Subtotal by NSD</b>	<b>178</b>	<b>217</b>	<b>65</b>	<b>97</b>	<b>35</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>370</b>	<b>297</b>
<u>Land Applied by Contractor</u>													
Somky													
Airport/Fagundes													
Jameson Canyon													
<b>Subtotal by Contractor</b>	<b>-</b>												
<b>Total Land Applied</b>	<b>178</b>	<b>217</b>	<b>65</b>	<b>97</b>	<b>35</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>370</b>	<b>297</b>
<b>Off Site (Contractor)</b>													
<b>Total (tons)</b>	<b>178</b>	<b>217</b>	<b>65</b>	<b>97</b>	<b>35</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>370</b>	<b>297</b>

**COLLECTION SYSTEM MAINTENANCE - MONTHLY**

<b>CATEGORY</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<b><u>Plugups</u></b>													
<b>Total Calls</b>	48	52	48	56	68	84	75	51	61	39	37	44	43
Business Hours	27	35	35	34	38	54	49	30	43	25	21	25	25
After Hours	21	17	13	22	30	30	26	21	18	14	16	19	18
District's	13	17	18	12	27	28	27	15	21	10	10	12	16
Property Owner's	35	35	30	44	41	56	48	36	40	29	27	32	27
Plugged Main Lines		1		1	2	2	3						
Run Lateral w/Eel	111	85	111	83	94	65	113	110	215	116	188	85	139
<b><u>Cleaning (feet of sewer)</u></b>													
Vactor #1	43,988	61,502	47,869	40,711	32,046	12,220	31,694	30,016	52,800	10,888	56,860	35,077	18,053
Vactor #2	6,288		2,184	14,730	1,512	23,277	18,222	18,062	34,405	53,959	7,819	44,357	41,749
Hydro Rodder													
<b>Total (feet)</b>	<b>50,277</b>	<b>61,502</b>	<b>50,053</b>	<b>55,442</b>	<b>33,557</b>	<b>35,497</b>	<b>49,915</b>	<b>48,077</b>	<b>87,205</b>	<b>64,846</b>	<b>64,679</b>	<b>79,433</b>	<b>59,802</b>
<b><u>Cleaning Days</u></b>													
Vactor #1	15	19	15	13	15	7	9	11	14	5	16	12	8
Vactor #2	3		1	4	1	8	7	7	11	17	4	16	13
Hydro Rodder													
<b><u>Feet/day</u></b>													
Vactor #1	2,950	3,250	3,200	3,150	2,150	1,750	3,500	2,750	3,750	2,200	3,550	2,900	2,250
Vactor #2	2,100		2,200	3,700	1,500	2,900	2,600	2,600	3,150	3,150	1,950	2,750	3,200
Hydro Rodder													
<b><u>Video Inspections</u></b>													
Mains (feet)	3,878	15,885	6,453	10,131	6,826	13,141	5,981	6,398	17,209	15,580	25,066	24,881	15,731
Laterals (each)	183	140	161	174	182	191	203	175	324	249	251	205	265
<b><u>Construction (each)</u></b>													
Cleanouts	7	3	16	8	10	6	4	10	16	4	16	7	31
Laterals	4			10	5		1		4	3	4	15	
Mains				3									
Manholes				1					1				
Other											50		
<b><u>USA Markings</u></b>													
Regular (w/in 2 days)	244	326	252	215	214	160	151	186	254	305	297	258	215
Emergency (w/in 2 hours)	14	8	10	6	4	18	7	7	13	8	3	6	5



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

<b>CATEGORY</b>	<b>Jul-16</b>	<b>Aug-16</b>	<b>Sep-16</b>	<b>Oct-16</b>	<b>Nov-16</b>	<b>Dec-16</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>
<b><u>Scheduled</u></b>													
Old	55	37	39	50	57	48	75	49	43	40	75	41	37
New	80	100	75	91	88	80	86	61	106	91	87	90	72
Completed	98	98	64	84	97	53	112	67	109	56	121	94	81
<b>New Balance</b>	<b>37</b>	<b>39</b>	<b>50</b>	<b>57</b>	<b>48</b>	<b>75</b>	<b>49</b>	<b>43</b>	<b>40</b>	<b>75</b>	<b>41</b>	<b>37</b>	<b>28</b>
<b><u>Unscheduled</u></b>													
Old	74	71	62	62	56	57	57	49	48	48	61	46	47
New	37	28	33	25	33	31	30	27	21	24	24	56	29
Completed	40	37	33	31	32	31	38	28	21	11	39	55	31
<b>New Balance</b>	<b>71</b>	<b>62</b>	<b>62</b>	<b>56</b>	<b>57</b>	<b>57</b>	<b>49</b>	<b>48</b>	<b>48</b>	<b>61</b>	<b>46</b>	<b>47</b>	<b>45</b>
<b><u>Total Work Orders</u></b>													
Old	129	108	101	112	113	105	132	98	91	88	136	87	84
New	116	128	108	116	121	111	116	88	127	115	111	146	101
Completed	138	136	96	115	129	84	151	95	130	67	161	149	112
<b>New Balance</b>	<b>108</b>	<b>101</b>	<b>112</b>	<b>113</b>	<b>105</b>	<b>132</b>	<b>98</b>	<b>91</b>	<b>88</b>	<b>136</b>	<b>87</b>	<b>84</b>	<b>73</b>
<b><u>LAB ANALYSES</u></b>													
<b>Sample Type</b>													
Regulatory	193	179	193	204	168	175	192	214	210	218	177	230	173
Process Control	744	907	739	766	1,315	1,209	1,189	1,051	1,370	1,167	820	1,107	1,024
Special Request	207	93	-	19	39	40	3	1	1	-	6	200	-
Quality Control/Assurance	32	5	5	50	302	299	303	272	301	497	32	47	223
<b>TOTAL</b>	<b>1,176</b>	<b>1,184</b>	<b>937</b>	<b>1,039</b>	<b>1,824</b>	<b>1,723</b>	<b>1,687</b>	<b>1,538</b>	<b>1,882</b>	<b>1,882</b>	<b>1,035</b>	<b>1,584</b>	<b>1,420</b>

**Summary of NSD Capital Project Status  
through 07-31-17**

Proj #	Description	FY 17-18 Budget	FY 16-17 Carryovers	Adj.	Final FY 17-18 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	<b><u>COLLECTION SYSTEM</u></b>								
13701	Main Line Sewer Rehab	91,800			91,800	-	-	91,800	-
13702	Manhole Raising/Rehab	206,000			206,000	-	1,569	204,431	1%
13703	Lateral Replacement/Rehab	74,500			74,500	-	7,551	66,949	10%
13704	Cleanouts Installation/Rehab	90,000			90,000	-	8,878	81,122	10%
13705	I&I Reduction Program	207,000			207,000	-	-	207,000	-
18701	I&I Smoke Testing	100,000			100,000	-	-	100,000	-
18702	Collection System Asset Management Software	350,000			350,000	-	-	350,000	-
17702	Upper Lateral Rehab - Basin L (Pilot #2)	155,300			155,300	-	185	155,115	0%
18703	Upper Lateral Rehab - Basin L (Pilot) #3	5,000			5,000	-	-	5,000	-
18704	Manhole Rehab - Nipak - Basin H	284,600			284,600	-	-	284,600	-
17705	Soscol Ave (8th to Oil Co Rd)	950,000			950,000	-	805	949,195	0%
14703	Browns Valley Rd & First St	9,237,000			9,237,000	-	2,585	9,234,415	0%
17708	Basin G - I&I Reduction #1	2,942,000			2,942,000	-	14,764	2,927,236	1%
18705	Sewer System Inflow/Infiltration 2018	1,650,000			1,650,000	-	-	1,650,000	-
18706	Sewer System Inflow/Infiltration 2019	20,000			20,000	-	-	20,000	-
	<b><u>COLLECTION SYSTEM - EQUIPMENT</u></b>								
18707	Locatable Mini-Camera #2 Replacement	11,100			11,100	-	-	11,100	-
18708	Manhole - Smart Covers (4)	25,000			25,000	-	-	25,000	-
18709	Vehicle 504 - TV Truck	270,000			270,000	183,952	-	86,048	-
	<b><u>LIFT STATIONS</u></b>								
	<b><u>TREATMENT</u></b>								
13745	Pond 1 Dredge	400,000			400,000	-	-	400,000	-
	<b><u>TREATMENT - EQUIPMENT</u></b>								
13735	Dual Fuel Boiler Burner	155,300			155,300	-	-	155,300	-
13741	Secondary PS Pump Rebuild (3)	38,800			38,800	-	-	38,800	-
13743	Risidual Analyzers (Deox) Replacements	5,000			5,000	-	-	5,000	-
17713	Secondary PS VFD Rplcmnt (3)	55,400			55,400	-	-	55,400	-
17714	WWTP MP - 3W Sys Imprvmnts	440,000			440,000	-	1,302	438,698	0%
17715	Turbidimeters (7) Tertiary Rplcmnts	20,000			20,000	-	-	20,000	-
18710	3W Pipeline - Soscol PS to Plant - Rehab	33,300			33,300	-	-	33,300	-
18711	3W Strainer	83,200			83,200	-	-	83,200	-
18712	3W VFD	62,100			62,100	-	-	62,100	-
18713	Primary Influent Pipe - East Gallery	250,000			250,000	-	-	250,000	-
18714	Distillation System	6,000			6,000	-	-	6,000	-

Summary of NSD Capital Project Status  
through 07-31-17

Proj #	Description	FY 17-18 Budget	FY 16-17 Carryovers	Adj.	Final FY 17-18 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
18715	Muffle Furnace - Replacement	15,000		(10,000)	5,000	-	-	5,000	-
18716	Rotork Actuator Replacement	91,800			91,800	-	-	91,800	-
18717	Septage Card Reader Replacement	21,400			21,400	-	-	21,400	-
18718	Secondary Clarifier Mech/Struct Rehabilitation	50,000			50,000	-	-	50,000	-
18719	Filter Flow Control - Rotork Valves	46,600			46,600	-	-	46,600	-
18720	Neuros Blowers Rebuild	62,100			62,100	-	-	62,100	-
18721	CCB #3 Effluent Gate	5,000			5,000	-	-	5,000	-
18722	FOG Station Water Heater	5,000			5,000	-	-	5,000	-
18723	Pond 4 PS - Repair Leak	24,000			24,000	-	-	24,000	-
18724	Filter 1-4 Air Valve	10,000			10,000	-	-	10,000	-
18725	Belt Press Hydraulic Actuator Replace	20,000			20,000	-	-	20,000	-
18734	Boat Motor Vehicle 302	-		10,000	10,000	7,288	-	2,712	-
	<b>TREATMENT - STRUCTURES</b>								
17726	Headworks Equipment Rehab/Replacment	250,000			250,000	-	108	249,892	0%
18726	Building HVAC and Lab Ventilation	500,000			500,000	-	-	500,000	-
18727	Earthquake - Structural Repair	300,000			300,000	-	-	300,000	-
18728	Roof Rplcmnt - Solids Handling/Digester Tower	232,900			232,900	-	-	232,900	-
	<b>SCADA</b>								
18729	SCADA MP Project #1 - Network Monitoring	50,000			50,000	-	-	50,000	-
	<b>RECYCLING - DISTRICT</b>								
16716	Line Recycled Water Reservoir	1,800,000			1,800,000	-	2,448	1,797,552	0%
18730	Jameson 24" Flow Meter Rehab	6,200			6,200	-	-	6,200	-
18731	Coombsville Truck Fill Station	100,000			100,000	-	-	100,000	-
	<b>RECYCLING - EXPANSION</b>								
13727	North Bay Wate Reuse Project	150,000			150,000	-	-	150,000	-
16722	MST RW Pipeline Extension	2,800,000			2,800,000	-	1,528	2,798,472	0%
	<b>OTHER</b>								
13729	Development Technical Support	239,900			239,900	-	25,118	214,782	10%
18732	Box Culvert - Fugundes Emergency Access	5,000			5,000	-	-	5,000	-
18733	GPS Handheld	15,000			15,000	8,038	-	6,962	-
<b>GRAND TOTAL ALL PROJECTS</b>		<b>\$25,018,300</b>	<b>-</b>	<b>-</b>	<b>\$25,018,300</b>	<b>\$199,279</b>	<b>\$66,841</b>	<b>\$24,752,181</b>	<b>0%</b>