



**Napa Sanitation District**

**General Manager's Report**

**for**

**December, 2018**

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## NAPA SANITATION DISTRICT

## General Manager's Report

**DATE:** February 6, 2019

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

**SUBJECT:** General Manager's Report for December 2018

### **REGULATORY COMPLIANCE:**

Collection System Compliance:	1 Category 1 SSO's, 0 Category 2 SSO's, and 11 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, 2018 – December 31, 2018
Percent Fiscal Year:	50.0%
Operating Expenditures to date:	55.2%
Historical Expenditures to date:	53.1%
Significant Comments:	Sewer service charges were received from the first installment payments of the property taxes in December. The second installment will be due in April 2019.

### **PERSONNEL:**

Significant events for the month of December 2018 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	Sean Warner promoted to Collection System Technician
Recruitment Activities:	Continued recruitment for Operator-in-Training/Operator I
Injuries:	None

*Summaries of Operational Highlights are on following pages.*

### **COLLECTIONS:**

Significant events for the month of December 2018 in Collection System Maintenance include:

- The District had 1 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 11 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm drainpipe that was not fully recovered and returned to the sanitary sewer system. A Category 2 is defined as an SSO that is equal to or greater than 1,000 gallons that did not reach a surface water. A Category 3 is defined as an SSO that is less than 1,000 gallons that did not reach a surface water. These are usually minor overflows of less than 10 gallons from cleanouts on District laterals that can be cleaned up by the crews.)
- The repair crew installed 7 cleanouts and repaired 1 cleanout. They also repaired 2 lateral, installed 10 lateral liners and repaired 3 mainlines. Additionally, the service response/programs crew completed 146 work orders in support of the grease and odor control program, responded to 81 customer requests for service (28 were NSD problem) and closed out 168 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 33 laterals, cleaned approximately 43,193 feet of main line and CCTV inspected 37 laterals. In addition, the CCTV truck televised 12,508 feet of mainline.

### **TREATMENT PLANT:**

Significant events for the month of December 2018 in the Treatment Plant Department:

#### **Plant Operations:**

- For December 2018, the plant's influent flow was 257.6 MG as compared to last year flow for December 2017 of 186.3 MG
- Flow to the Napa River for December 2018 was 378.9 MG compared to last year's flow of 163.8 MG.
- The production of recycle quality occurred for 5 days during December 2018 with a total distributed flow of 1.30 MG.
- There was 1.83" rainfall for December 2018 (Carneros Rainfall Center) as compared to 0.04" rainfall for December 2017.
- Pond 4 end of the month recorded level reading was 37.05" as compared to December 2017 of 36.81". Total remaining pond capacity for December 2018 was 52.0% as compared to December 2017 remaining capacity of 53.9%.

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

- This December power consumption purchased from PG&E was 409 MWH in comparison to December 2017 purchase of 287 MWH.
- Cogeneration unit ran 696 of 744 hours for the month – 93.55% uptime, averaging 332.90 Kw, producing 231 MWH of energy.

- Solar generation in December was 77 MWH, compared to 83 MWH in November.

Maintenance:

Significant events for the month of December 2018:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Factory service on all IPS pumps
- Replaced whisker switches on Belt Filter Press #1
- Repaired scraper arms on DAF Clarifier
- Gas Compressor/replaced pressure transducer in filter controller
- Replaced discharge pipe at load-out station
- Duo-Sphere/replaced laser distance measuring sensor
- Replaced sump pump in center hub of DAF Clarifier
- DAF air compressor #2/replaced 3-way thermal control valve
- Replaced seal on Recycle Pump #2

Projects

- Mowed vegetation around outer pond levees

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 December 2018. All parameters were monitored at the required frequencies. The following were notable sampling events:

- December 4, 2018: Metals, Cyanide, Mercury, Chronic Toxicity, Oil & Grease, Nutrients, PCB Congeners
- December 4-8, 2018: Acute Toxicity Bioassay
- December 10, 2018: Ammonia, TKN

#### Influent (INF-001) Summary

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

- December 4, 2018: Metals, Cyanide, Mercury
- December 25, 2018: Nutrients

#### **RECYCLING:**

Significant events in the Recycling Department for December 2018 include:

- Recycled water delivered for the month of December 2018 was (2.921 million gallons), as compared to December 2017 (7.916 million gallons) is lower from the previous year due to commercial landscape and golf course demand. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff ceased land application of biosolids on Jameson Reuse Site and began encapsulating solids for the reporting period.

#### **POLLUTION PREVENTION:**

Significant events in the Pollution Prevention and Outreach Division December 2018 include:

- There was 1 tour of the treatment plant given to community members.
- The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 21,521.2 pounds.
- There were 23 ESME Washer Rebates issued this month for a total of \$1,150.

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

Significant events occurring in the Engineering Division for December 2018 include:

- Consultant continued work on the SCADA Master Plan.
- Contractor continued construction of the Headworks Equipment Replacement Project.
- Contractor continued construction of the 2018 Collection System Rehabilitation Project.
- Staff received and opened bids Southeast Napa Sewer and Roadway Rehabilitation Project. The construction contract was awarded to the low bidder, Cratus Inc.
- Consultant continued condition assessment phase for the 66-inch Trunk Sewer Rehabilitation Project.
- Consultant continued condition assessment phase for the Primary Clarifier Rehabilitation Project.
- The bidding phase continued for the Browns Valley Trunk Project.
- Consultant continued design of the West Napa Pump Station Project.

- Consultant and Staff continued work on Phase 1A and Phase 1B of the Asset Management Program.
- Contractor continued construction of the 2018 Treatment Plant Improvement Project.
- Staff and consultant continued design of the 2019 Treatment Plant Improvement Project.
- Staff continued design of the Pond Transfer Structure Project
- Consultant continued working on the Collection System Master Plan.
- Staff and Consultant continued design of the MST Truck Fill Station.
- Staff reviewed 27 sets of development plans and deemed 12 sets of plans complete. The approved plans consisted of 7 tenant improvements, 4 residential dwellings, and 1 commercial building.

**Budget Status & Cash Summary - July 1, 2018 - December 31, 2018 (50.0% of the year)**

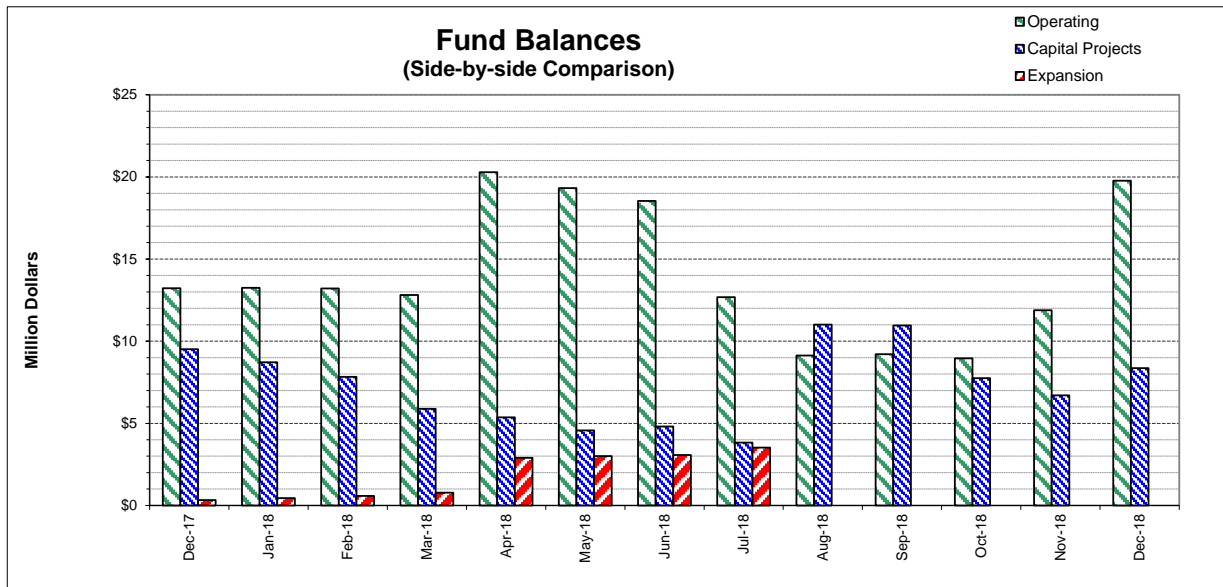
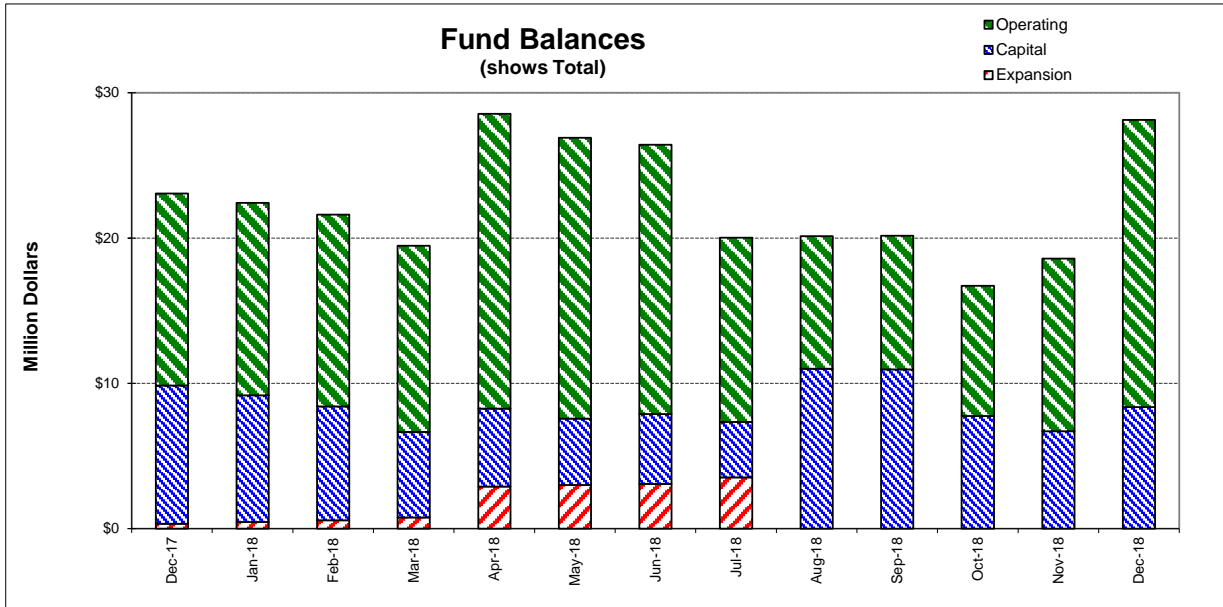
<i>Expenditures</i>	<b>FY 18/19 Budget</b>	<b>Encumbrances</b>	<b>Expenditures to date</b>	<b>Committed to date</b>	<b>Remaining Balance</b>	<b>Percent Committed</b>
<b>Operating</b>						
Salaries & Benefits	\$9,961,350	\$2,353	\$4,690,372	\$4,692,726	\$5,268,624	47.1%
Services & Supplies	\$6,160,950	1,135,000	2,384,444	3,519,445	2,641,505	57.1%
Taxes	29,150	-	14,880	14,880	14,270	51.0%
Debt Service	4,593,800	-	3,679,849	3,679,849	913,951 (1)	80.1%
Intrafund Transfers	8,900,000	-	4,450,000	4,450,000	4,450,000	50.0%
<b>Total Operating:</b>	<b>\$29,645,250</b>	<b>\$1,137,354</b>	<b>\$15,219,545</b>	<b>\$16,356,899</b>	<b>\$13,288,351 (2)</b>	<b>55.2%</b>
<b>Capital</b>						
Bldgs/Improvements & Equip	\$32,410,100	\$7,071,272	\$6,147,540	\$13,218,812	\$19,191,288 (3)	40.8%
Intrafund Transfers	7,250,000	-	4,369,573	4,369,573	2,880,427	60.3%
<b>Total Capital :</b>	<b>\$39,660,100</b>	<b>\$7,071,272</b>	<b>\$10,517,113</b>	<b>\$17,588,385</b>	<b>\$22,071,715</b>	<b>44.3%</b>
<b>Grand Total Expenditures:</b>	<b>\$69,305,350</b>	<b>\$8,208,625</b>	<b>\$25,736,659</b>	<b>\$33,945,284</b>	<b>\$35,360,066</b>	<b>49.0%</b>

<i>Revenues</i>	<b>FY 18/19 Budget</b>	<b>Encumbrances</b>	<b>Revenues to date</b>	<b>Revenues posted to date</b>	<b>Unposted Revenue</b>	<b>Percent Posted</b>
<b>Operating</b>						
Use of Money/Property	\$1,036,000		\$611,488	\$611,488	\$424,513	59.0%
Charges for Services	29,571,800		16,581,191	16,581,191	12,990,609	56.1%
Miscellaneous Revenues	63,000		43,451	43,451	19,549	69.0%
Donations/Contributions (Capital Labor)	-		444,855	444,855	(444,855) (4)	N/A
<b>Total Operating:</b>	<b>\$30,670,800</b>		<b>\$17,680,985</b>	<b>\$17,680,985</b>	<b>\$12,989,815</b>	<b>57.6%</b>
<b>Capital</b>						
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	4,614,600		1,378,127	1,378,127	3,236,473	29.9%
Intergovernmental	375,000		22,206	22,206	352,794 (5)	5.9%
Bond/Loan Proceeds	9,075,000		-	-	9,075,000	0.0%
Sale of Assets	25,000		81,370	81,370	(56,370)	N/A
Miscellaneous Revenues	5,000		-	-	5,000	N/A
Intrafund Transfers	16,150,000		8,819,573	8,819,573	7,330,427	54.6%
<b>Total Capital:</b>	<b>\$30,244,600</b>		<b>\$10,301,276</b>	<b>\$10,301,276</b>	<b>\$19,943,324</b>	<b>34.1%</b>
<b>Grand Total Revenue:</b>	<b>\$60,915,400</b>		<b>\$27,982,261</b>	<b>\$27,982,261</b>	<b>\$32,933,139</b>	<b>45.9%</b>

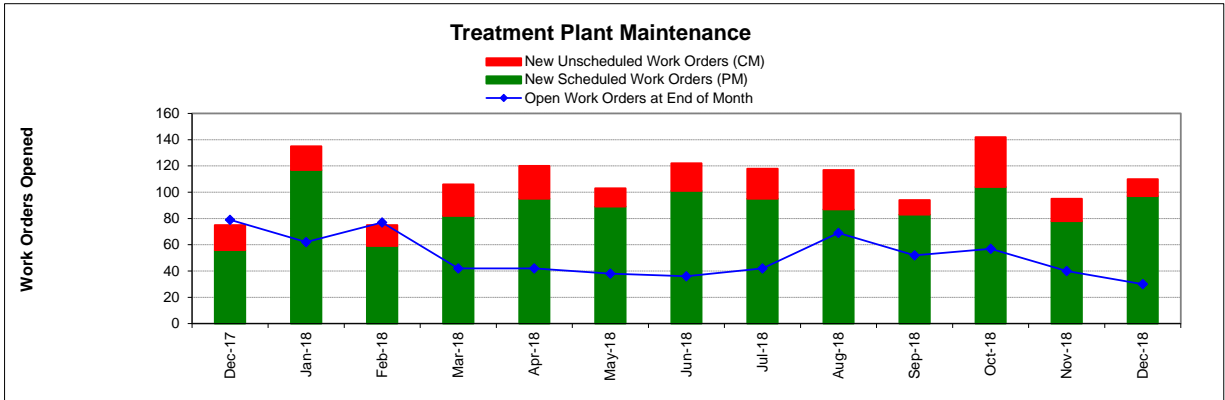
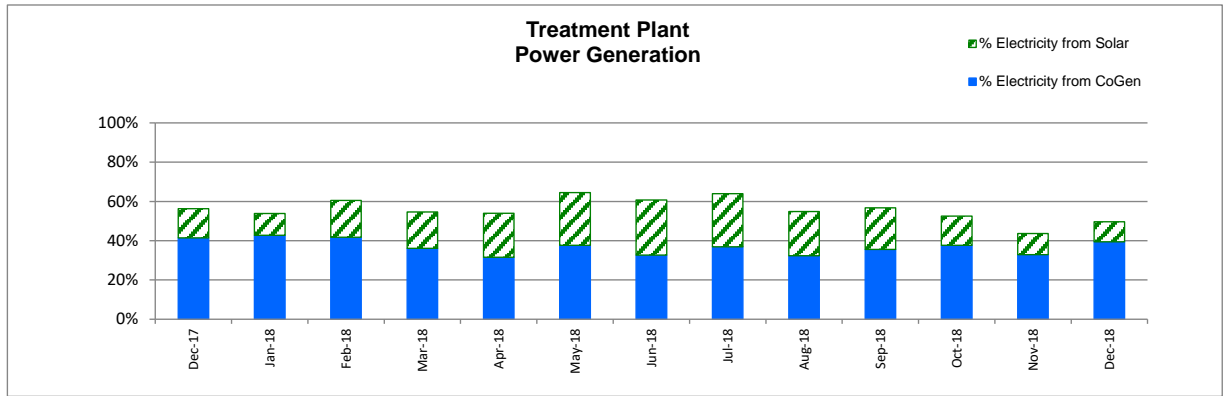
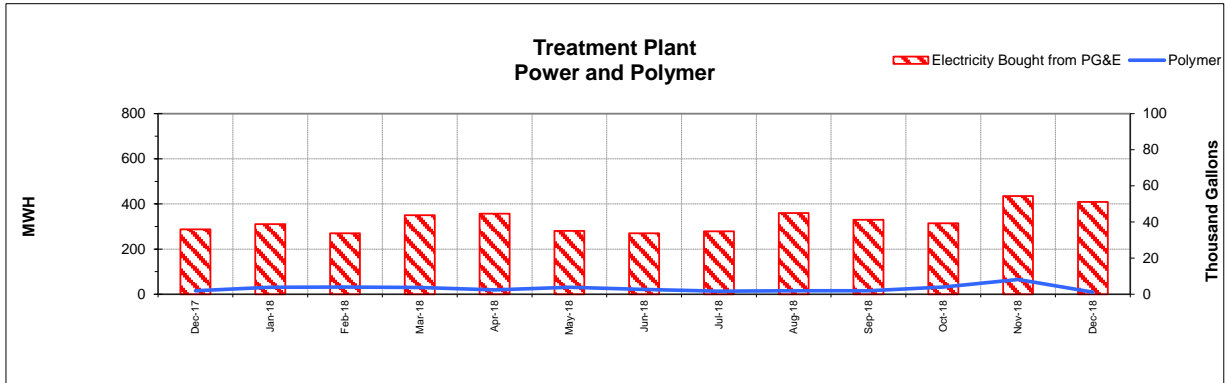
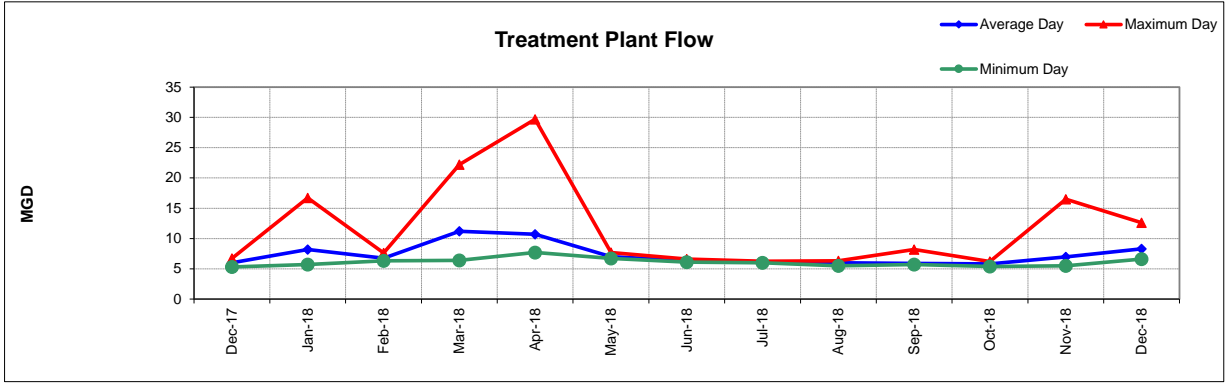
**Cash on Hand as of 12/31/18** **\$28,134,980**

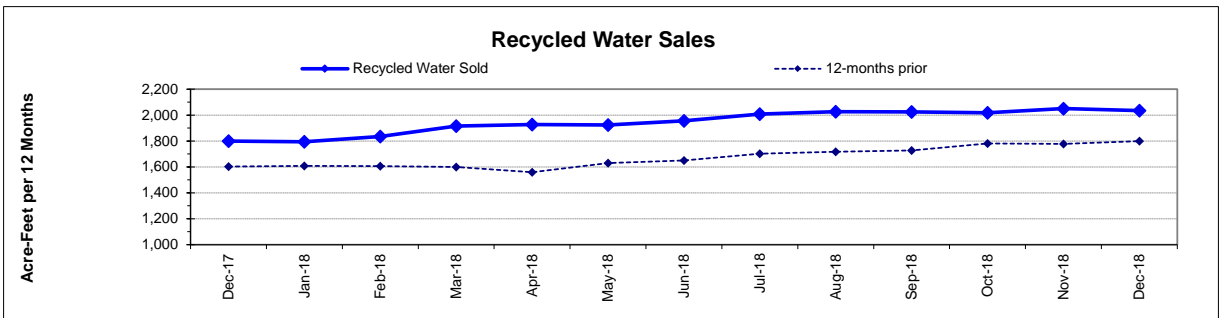
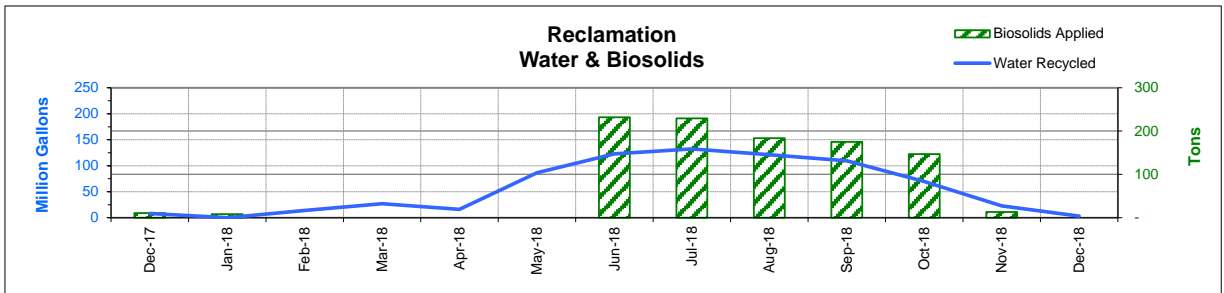
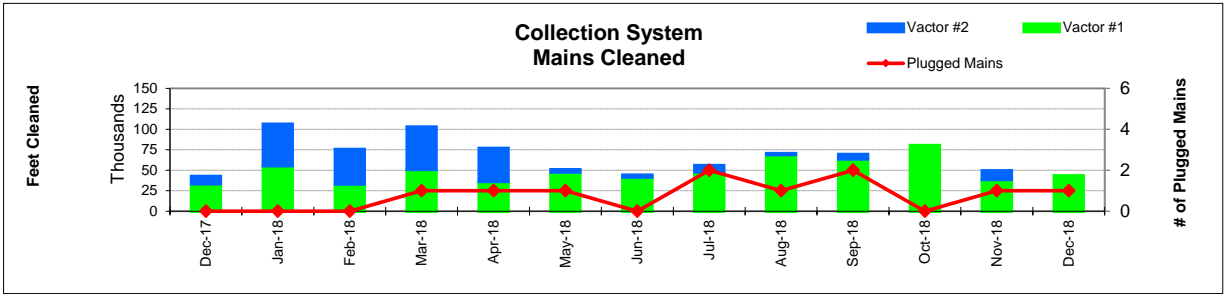
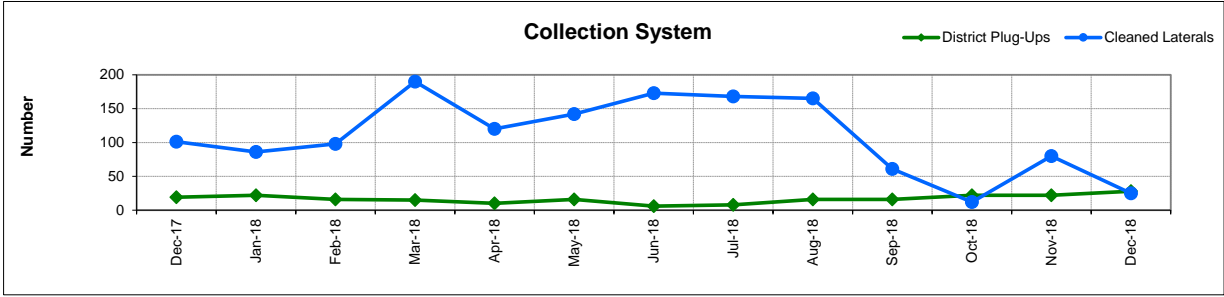
\*\*excluding Debt Service restricted funds  
12/31/18 -Effective Rate of Return = 2.01%

1. Series 2012A's and 2017's principal/interest payments are made in Aug & Feb
2. Includes Debt Service and Intrafund Transfers; otherwise is 50.9%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)
5. Reimbursement from Napa Co. for MST Truck Fill Station; Construction to start Mar 2019









**FUND BALANCES - MONTHLY**

<b>CATEGORY</b>	<b>Dec-17</b>	<b>Jan-18</b>	<b>Feb-18</b>	<b>Mar-18</b>	<b>Apr-18</b>	<b>May-18</b>	<b>Jun-18</b>	<b>Jul-18</b>	<b>Aug-18</b>	<b>Sep-18</b>	<b>Oct-18</b>	<b>Nov-18</b>	<b>Dec-18</b>
<i>(Thousand Dollars)</i>													
7800	13,220	13,251	13,210	12,818	20,290	19,326	18,538	12,676	9,123	9,204	8,951	11,888	19,772
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Operating</b>	<b>13,220</b>	<b>13,251</b>	<b>13,210</b>	<b>12,818</b>	<b>20,290</b>	<b>19,326</b>	<b>18,538</b>	<b>12,676</b>	<b>9,123</b>	<b>9,204</b>	<b>8,951</b>	<b>11,888</b>	<b>19,772</b>
Capital Improvement Projects	9,514	8,720	7,830	5,877	5,365	4,573	4,808	3,825	11,009	10,956	7,755	6,698	8,363
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal Capital</b>	<b>9,514</b>	<b>8,720</b>	<b>7,830</b>	<b>5,877</b>	<b>5,365</b>	<b>4,573</b>	<b>4,808</b>	<b>3,825</b>	<b>11,009</b>	<b>10,956</b>	<b>7,755</b>	<b>6,698</b>	<b>8,363</b>
<b>Total Discretionary Funds</b>	<b>22,734</b>	<b>21,971</b>	<b>21,040</b>	<b>18,695</b>	<b>25,655</b>	<b>23,899</b>	<b>23,346</b>	<b>16,501</b>	<b>20,132</b>	<b>20,160</b>	<b>16,706</b>	<b>18,586</b>	<b>28,135</b>
Expansion Fund (Restricted)	332	449	577	775	2,898	3,007	3,075	3,520	-	-	-	-	-
<b>Total Restricted Funds</b>	<b>332</b>	<b>449</b>	<b>577</b>	<b>775</b>	<b>2,898</b>	<b>3,007</b>	<b>3,075</b>	<b>3,520</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL ALL FUNDS</b>	<b>23,066</b>	<b>22,420</b>	<b>21,617</b>	<b>19,470</b>	<b>28,553</b>	<b>26,906</b>	<b>26,421</b>	<b>20,021</b>	<b>20,132</b>	<b>20,160</b>	<b>16,706</b>	<b>18,586</b>	<b>28,135</b>

# DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b><u>Phone Requests</u></b>													
Maps/Drawings	3	6	6	6	3	6	8	4	2	2	3	1	2
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	6	4	12	17	5	9	8	9	10	4	6	3	6
Development Questions	23	55	63	39	44	79	80	61	63	28	70	41	44
Miscellaneous	10	8	7	15	11	17	27	37	24	26	20	18	25
<b>TOTAL</b>	<b>42</b>	<b>73</b>	<b>88</b>	<b>77</b>	<b>63</b>	<b>111</b>	<b>123</b>	<b>111</b>	<b>99</b>	<b>60</b>	<b>99</b>	<b>63</b>	<b>77</b>
<b><u>Counter Requests</u></b>													
Maps/Drawings	-	1	-	-	-	1	1	-	3	-	1	-	1
Lateral Permits	7	11	9	17	12	10	12	9	9	3	9	5	10
Policy Questions	2	-	2	2	-	1	-	2	3	-	2	-	1
Development Questions	9	7	9	15	11	13	12	12	9	5	6	6	5
Miscellaneous	1	1	1	3	-	1	1	2	2	2	0	-	1
<b>TOTAL</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>37</b>	<b>23</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>26</b>	<b>10</b>	<b>18</b>	<b>11</b>	<b>18</b>
<b><u>Initial Request (Referrals)</u></b>	<b>5</b>	<b>7</b>	<b>13</b>	<b>20</b>	<b>15</b>	<b>20</b>	<b>13</b>	<b>13</b>	<b>17</b>	<b>16</b>	<b>21</b>	<b>20</b>	<b>15</b>
<b><u>Connection Permits Issued</u></b>													
Residential Permits	5	3	12	19	16	3	3	5	16	9	1	1	2
Commercial Permits	3	5	3	1	3	2	3	5	5	1	-	2	-
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL PERMITS</b>	<b>8</b>	<b>8</b>	<b>15</b>	<b>20</b>	<b>19</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>21</b>	<b>10</b>	<b>1</b>	<b>3</b>	<b>2</b>
Residential Units	5	3	12	336	16	3	3	5	16	18	1	1	2
Commercial Units	3	5	3	1	102	174	3	5	8	1	-	2	-
<b>TOTAL UNITS</b>	<b>8</b>	<b>8</b>	<b>15</b>	<b>337</b>	<b>118</b>	<b>177</b>	<b>6</b>	<b>10</b>	<b>24</b>	<b>19</b>	<b>1</b>	<b>3</b>	<b>2</b>
<b><u>Annexations</u></b>													
Submitted	-	-	-	-	-	-	-	1	1	1	-	1	-
Acreage	-	-	-	-	-	-	-	0.60	11.60	5.79	-	158.20	-
<b><u>Plans Reviewed</u></b>													
<b><u>Subdivisions/Sites</u></b>													
First Submittal	3	9	19	18	14	4	10	10	18	9	10	10	9
Second Submittal	4	2	5	9	6	8	3	5	8	4	5	2	5
Third Submittal	3	5	4	6	2	2	2	3	3	4	2	1	1
<b><u>Building/Tenant Improvements</u></b>													
First Submittal	10	5	16	14	7	19	18	10	8	8	11	8	11
Second Submittal	3	1	2	9	1	7	6	8	6	1	5	6	-
Third Submittal	5	2	3	3	4	2	3	5	4	3	1	3	1
<b><u>Miscellaneous Plan Reviews</u></b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL PLANS REVIEWED</b>	<b>28</b>	<b>24</b>	<b>49</b>	<b>59</b>	<b>34</b>	<b>42</b>	<b>42</b>	<b>41</b>	<b>47</b>	<b>29</b>	<b>34</b>	<b>30</b>	<b>27</b>

# INSPECTION WORKLOAD - MONTHLY

CATEGORY	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b><u>CONSTRUCTION</u></b>													
Locating Sewers	-	-	-	-	-	-	-	-	1	-	-	1	2
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	1	7	7	5	5	7	2	3	1	3	-	1	3
Inspections - Mains	5	-	20	6	2	4	-	2	6	11	1	-	1
Inspections - Manholes	62	41	38	13	16	25	12	-	6	76	76	21	30
Inspections - Laterals	15	23	26	23	17	25	15	7	13	3	8	3	28
Inspections - Cleanouts	10	31	36	24	26	43	7	3	2	2	6	8	37
Inspections - Review Video	-	-	-	1	2	-	17	1	-	2	-	1	2
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	1	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>93</b>	<b>102</b>	<b>127</b>	<b>72</b>	<b>68</b>	<b>104</b>	<b>53</b>	<b>17</b>	<b>29</b>	<b>97</b>	<b>91</b>	<b>35</b>	<b>103</b>
<b><u>MISCELLANEOUS</u></b>													
Meter Readings	-	11	24	-	1	13	-	-	-	-	-	1	10
Washdown Facility Inspections	-	-	-	-	12	-	-	-	-	-	-	-	-
General Customer Assistance	25	26	18	38	11	28	21	40	27	31	50	25	30
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>25</b>	<b>37</b>	<b>42</b>	<b>38</b>	<b>24</b>	<b>41</b>	<b>21</b>	<b>40</b>	<b>27</b>	<b>31</b>	<b>50</b>	<b>26</b>	<b>40</b>
<b><u>SPECIAL PROJECTS</u></b>													
	1	7	0	5	6	0	9	21	23	35	36	19	0

# POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b><u>Outreach Activities</u></b>													
Plant Tours Conducted	0	3	0	1	5	5	3	1	3	6	4	1	1
Presentations Made	0	0	0	2	1	5	0	1	0	2	10	0	0
<b>Total Outreach Activities</b>	-	3	-	3	6	10	3	2	3	8	14	1	1
<b><u>Inspections Conducted</u></b>													
Food Service Facilities	-	6	22	64	51	10	-	-	-	-	-	-	1
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	1	-
<b>Total Inspections</b>	-	6	22	64	51	10	-	-	-	-	-	1	1
<b><u>Compliance Issues</u></b>													
NOVs Issued	1	-	3	2	2	1	3	-	3	1	2	1	-
NOEs Issued	1	1	3	-	1	-	1	-	1	-	1	1	-
Non-Compliant-FOG	1	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Compliance Issues</b>	3	1	6	2	3	1	4	-	4	1	3	2	-
<b><u>Pollution Prevention</u></b>													
Clothes Washer Rebates	-	25	14	21	-	8	21	-	-	-	-	29	23
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	-	35	-	82	66	-	74	90	65	61	68	56	-

# RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b>MONTHLY (MG)</b>														
<b>Water Sold</b>														
Golf Courses	405.0	6.253	0.001	6.152	2.748	3.320	52.726	68.294	64.047	57.269	44.197	23.612	3.322	0.008
Cemeteries	57.1	0.003	-	0.005	0.154	0.385	3.183	3.643	4.903	4.920	4.142	3.239	2.872	0.690
Parks	18.5	-	-	-	-	-	0.823	0.949	1.051	0.846	0.527	0.050	0.611	-
Schools	21.0	0.019	-	0.255	0.198	0.242	1.727	2.151	2.122	2.044	1.571	1.231	0.745	0.060
Commerical	167.6	1.402	-	1.835	1.765	3.169	9.893	12.414	15.863	19.184	16.950	19.637	7.652	1.891
Vineyards	564.0	0.225	-	5.695	21.988	8.001	6.377	21.260	43.468	32.727	21.248	9.649	7.015	0.239
Trucked Water	175.0	0.014	-	0.017	0.029	0.880	0.143	0.737	0.666	0.637	0.399	0.289	0.403	0.033
<b>Subtotal Sales</b>	<b>1,408.2</b>	<b>7.916</b>	<b>0.001</b>	<b>13.960</b>	<b>26.881</b>	<b>15.996</b>	<b>74.872</b>	<b>109.448</b>	<b>132.120</b>	<b>117.628</b>	<b>89.035</b>	<b>57.707</b>	<b>22.620</b>	<b>2.921</b>
<b>District Use</b>														
Jameson	330.0	-	-	0.077	-	-	-	-	-	0.163	4.785	-	-	-
Somky	213.0	-	-	-	-	-	11.710	13.263	0.208	3.226	15.447	12.002	0.008	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>-</b>	<b>-</b>	<b>0.077</b>	<b>-</b>	<b>-</b>	<b>11.710</b>	<b>13.263</b>	<b>0.208</b>	<b>3.389</b>	<b>20.232</b>	<b>12.002</b>	<b>0.008</b>	<b>-</b>
<b>TOTAL DELIVERED</b>	<b>2,001.7</b>	<b>7.916</b>	<b>0.001</b>	<b>14.037</b>	<b>26.881</b>	<b>15.996</b>	<b>86.582</b>	<b>122.711</b>	<b>132.327</b>	<b>121.016</b>	<b>109.266</b>	<b>69.709</b>	<b>22.628</b>	<b>2.921</b>
<b>ANNUAL (AF)</b>														
<b>Water Sold</b>														
Golf Courses	405.0	1,064	1,064	1,083	1,091	1,093	1,091	1,097	1,067	1,063	1,035	1,025	1,019	1,000
Cemeteries	57.1	16	16	16	16	17	25	34	46	58	69	76	84	86
Parks	18.5	14	14	14	14	14	14	14	14	14	14	13	15	15
Schools	21.0	36	36	37	37	38	39	38	37	37	37	36	38	38
Commerical	167.6	328	324	329	333	335	318	303	298	303	309	327	337	338
Vineyards	564.0	336	336	353	420	423	427	460	534	540	550	529	545	545
Trucked Water	175.0	5	5	5	5	8	8	10	11	11	12	12	13	13
<b>Subtotal Sales</b>	<b>1,408.2</b>	<b>1,799</b>	<b>1,794</b>	<b>1,835</b>	<b>1,916</b>	<b>1,928</b>	<b>1,923</b>	<b>1,955</b>	<b>2,008</b>	<b>2,026</b>	<b>2,025</b>	<b>2,018</b>	<b>2,051</b>	<b>2,035</b>
<b>District Use</b>														
Jameson	330.0	143	143	143	143	143	143	143	121	64	15	15	15	15
Somky	213.0	223	223	223	223	223	240	244	210	178	166	171	171	171
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Subtotal District</b>	<b>593.5</b>	<b>366</b>	<b>366</b>	<b>366</b>	<b>366</b>	<b>366</b>	<b>383</b>	<b>387</b>	<b>330</b>	<b>243</b>	<b>182</b>	<b>187</b>	<b>187</b>	<b>187</b>
<b>TOTAL DELIVERED</b>	<b>2,001.7</b>	<b>2,165</b>	<b>2,160</b>	<b>2,202</b>	<b>2,282</b>	<b>2,294</b>	<b>2,306</b>	<b>2,343</b>	<b>2,338</b>	<b>2,269</b>	<b>2,207</b>	<b>2,205</b>	<b>2,237</b>	<b>2,222</b>

# BIOSOLIDS HANDLING - MONTHLY

Site	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<u>Land Applied by NSD</u>													
Somky										175			
Airport/Fagundes													
Jameson Canyon	11	8	-	-	-	-	232	229	184		147	13	-
Subtotal by NSD	11	8	-	-	-	-	232	229	184	175	147	13	-
<u>Land Applied by Contractor</u>													
Somky													
Airport/Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Land Applied</b>	<b>11</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>232</b>	<b>229</b>	<b>184</b>	<b>175</b>	<b>147</b>	<b>13</b>	<b>-</b>
<b>Off Site (Contractor)</b>													
<b>Total (tons)</b>	<b>11</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>232</b>	<b>229</b>	<b>184</b>	<b>175</b>	<b>147</b>	<b>13</b>	<b>-</b>



# COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b><u>Plugups</u></b>													
<b>Total Calls</b>	48	62	49	67	40	44	25	37	39	53	57	64	77
Business Hours	27	40	35	53	23	32	16	24	28	32	36	34	44
After Hours	21	22	14	16	17	12	9	9	11	21	21	30	33
District's	19	22	16	15	10	16	6	8	16	16	22	22	28
Property Owner's	29	40	33	40	30	28	19	29	23	36	35	41	49
Plugged Main Lines				1	1	1		2	1	2	-	1	1
Run Lateral w/Eel	101	86	98	190	120	142	173	168	165	61	12	80	25
<b><u>Cleaning (feet of sewer)</u></b>													
Vactor #1	33,612	55,782	33,391	51,027	36,507	47,937	41,767	48,278	69,132	63,968	80,207	38,882	43,194
Vactor #2	8,642	50,441	41,842	51,666	40,119	2,708	2,065	7,290	1,072	5,367	-	10,373	-
Hydro	1,251												
Rodder		765											
<b>Total (feet)</b>	<b>43,505</b>	<b>106,988</b>	<b>75,233</b>	<b>102,693</b>	<b>76,625</b>	<b>50,645</b>	<b>43,832</b>	<b>55,568</b>	<b>70,204</b>	<b>69,335</b>	<b>80,207</b>	<b>49,254</b>	<b>43,194</b>
<b><u>Cleaning Days</u></b>													
Vactor #1	14	18	11	15	14	20	19	16	21	19	22	17	19
Vactor #2	5	14	13	18	13	1	1	3	1	3	-	3	
Hydro													
Rodder		1											
<b><u>Feet/day</u></b>													
Vactor #1	2,400	3,100	3,050	3,400	2,600	2,400	2,200	3,000	3,300	3,350	3,650	2,300	2,250
Vactor #2	1,750	3,600	3,200	2,850	3,100	2,700	2,050	2,450	1,050	1,800		3,450	
Hydro													
Rodder		750											
<b><u>Video Inspections</u></b>													
Mains (feet)	6,320	17,644	12,878	21,714	18,530	26,140	18,248	18,188	27,761	18,443	31,889	17,526	12,509
Laterals (each)	186	114	122	211	179	197	223	266	234	232	297	201	138
<b><u>Construction (each)</u></b>													
Cleanouts	11	15	16	8	6	10	8	27	25	6	5	50	1
Laterals	1	1	4	1	10	24	10	9	8	8	4	4	15
Mains	1		1								1		-
Manholes					1	2			2	1	1		-
Other					3								
<b><u>USA Markings</u></b>													
Regular (w/in 2 days)	210	281	277	266	280	282	277	397	296	286	378	159	159
Emergency (w/in 2 hours)	13	15	3	18	31	37	16	8	12	15	15	32	12

## WASTEWATER PLANT OPERATIONS DATA - MONTHLY

CATEGORY	Units	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b>FLOWES</b>		<b>31</b>	<b>31</b>	<b>28</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>31</b>	<b>30</b>	<b>31</b>
<b>Influent</b>	<b>MG</b>	<b>186.3</b>	<b>254.0</b>	<b>189.3</b>	<b>347.0</b>	<b>321.5</b>	<b>216.7</b>	<b>191.0</b>	<b>189.8</b>	<b>186.1</b>	<b>176.1</b>	<b>180.0</b>	<b>208.8</b>	<b>257.6</b>
<b>Average Day</b>	<b>MGD</b>	<b>6.0</b>	<b>8.2</b>	<b>6.8</b>	<b>11.2</b>	<b>10.7</b>	<b>7.0</b>	<b>6.4</b>	<b>6.1</b>	<b>6.0</b>	<b>5.9</b>	<b>5.8</b>	<b>7.0</b>	<b>8.3</b>
Maximum Day	Date	1-Dec	10-Jan	1-Feb	23-Mar	8-Apr	1-May	4-Jun	1-Jul	19-Aug	16-Sep	2-Oct	29-Nov	1-Dec
Maximum Day Flow	MG	6.7	16.7	7.6	22.2	29.7	7.7	6.6	6.3	6.3	8.2	6.2	16.5	12.6
Minimum Day	Date	26-Dec	2-Jan	24-Feb	1-Mar	30-Apr	31-May	27-Jun	6-Jul	22-Aug	21-Sep	31-Oct	1-Nov	13-Dec
Minimum Day Flow	MG	5.3	5.7	6.3	6.4	7.7	6.7	6.1	6.0	5.5	5.7	5.4	5.5	6.6
<b>Effluent</b>	<b>MG</b>	<b>169.1</b>	<b>302.3</b>	<b>176.2</b>	<b>415.7</b>	<b>342.1</b>	<b>95.8</b>	<b>134.0</b>	<b>133.0</b>	<b>124.4</b>	<b>104.7</b>	<b>68.1</b>	<b>289.9</b>	<b>384.2</b>
River Discharge	MG	163.8	302.0	164.6	398.9	319.8	-	-	-	-	-	-	263.8	378.9
Recycled Flow	MG	5.3	0.3	14.4	23.0	20.2	95.8	134.0	133.0	124.4	104.7	68.1	26.1	5.2
<b>BIOSOLIDS</b>	<b>Tons</b>	<b>617</b>	<b>713</b>	<b>770</b>	<b>836</b>	<b>605</b>	<b>719</b>	<b>760</b>	<b>798</b>	<b>775</b>	<b>943</b>	<b>745</b>	<b>572</b>	<b>767</b>
Wet Tons Generated from Pond	Tons													
Wet Tons Generated from Plant	Tons	617	713	770	836	605	719	760	798	775	943	745	572	767
% Solids Liquid	%													
% Solids Cake	%													
% Solids Land Application	%													
<b>Wet Tons Hauled Offsite</b>	<b>Tons</b>													
<b>POLYMER USE</b>	<b>Gallons</b>	<b>1,939</b>	<b>3,839</b>	<b>3,931</b>	<b>3,764</b>	<b>2,365</b>	<b>3,816</b>	<b>2,636</b>	<b>1,732</b>	<b>1,936</b>	<b>1,915</b>	<b>4,044</b>	<b>8,169</b>	<b>1,155</b>
Pond Pre-Flocculators	Gallons		2,460	-	-	282	-	-	-	-	-	59	2,293	-
Flocculator Polymer 1	Gallons													
Flocculator Polymer 2	Gallons	250	589	253	1,033	452	-	-	-	-	-	-	-	-
Filter Polymer 1	Gallons	728		3,019	1,963	1,015	2,850	1,677	824	1,361	1,259	2,944	4,503	294
Filter Polymer 2	Gallons	151	790			-	-	-	-	-	-	-	-	
Belt Presses	Gallons	810	13	659	769	617	966	959	908	575	656	1,007	589	788
<b>ENERGY</b>														
<b>Total Electricity Used</b>	<b>MWH</b>	<b>658</b>	<b>673</b>	<b>684</b>	<b>759</b>	<b>777</b>	<b>748</b>	<b>813</b>	<b>775</b>	<b>797</b>	<b>764</b>	<b>662</b>	<b>772</b>	<b>751</b>
Purchased from PGE	MWH	287	311	270	350	357	281	270	279	360	330	314	435	409
Produced from Co-Gen	MWH	273	288	286	269	245	282	266	286	258	272	249	254	265
Percent Produced	%	41%	43%	42%	36%	32%	38%	33%	37%	32%	36%	38%	33%	39%
Purchased from Solar	MWH	98	74	128	140	175	200	227	210	179	162	99	83	77
Percent Produced		15%	11%	19%	18%	22%	27%	28%	27%	22%	21%	15%	11%	10%
Purchased Natural Gas	Therms	91	2,404	1,214	166	24	22	63	116	68	34	532	516	341
Methane Flared Off	KSCF	192	523	733	79	43	110	308	344	259	391	507	192	266
<b>Stand By Calls</b>	<b>#</b>	<b>66</b>	<b>23</b>	<b>43</b>	<b>40</b>	<b>36</b>	<b>135</b>	<b>52</b>	<b>57</b>	<b>71</b>	<b>40</b>	<b>75</b>	<b>133</b>	<b>55</b>
<b>Violations</b>	<b>#</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

# WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
<b><u>Scheduled</u></b>													
Old	61	39	27	39	12	6	8	9	13	31	20	21	10
New	56	117	59	82	95	89	101	95	87	83	104	78	97
Completed	78	129	41	109	101	87	100	91	69	94	103	89	101
<b>New Balance</b>	<b>39</b>	<b>27</b>	<b>39</b>	<b>12</b>	<b>6</b>	<b>8</b>	<b>9</b>	<b>13</b>	<b>31</b>	<b>20</b>	<b>21</b>	<b>10</b>	<b>6</b>
<b><u>Unscheduled</u></b>													
Old	44	40	35	38	30	36	30	27	29	38	32	36	30
New	19	18	16	24	25	14	21	23	30	11	38	17	13
Completed	23	23	13	32	19	20	24	21	21	17	34	23	19
<b>New Balance</b>	<b>40</b>	<b>35</b>	<b>38</b>	<b>30</b>	<b>36</b>	<b>30</b>	<b>27</b>	<b>29</b>	<b>38</b>	<b>32</b>	<b>36</b>	<b>30</b>	<b>24</b>
<b><u>Total Work Orders</u></b>													
Old	105	79	62	77	42	42	38	36	42	69	52	57	40
New	75	135	75	106	120	103	122	118	117	94	142	95	110
Completed	101	152	60	141	121	107	125	112	90	111	137	112	120
<b>New Balance</b>	<b>79</b>	<b>62</b>	<b>77</b>	<b>42</b>	<b>42</b>	<b>38</b>	<b>36</b>	<b>42</b>	<b>69</b>	<b>52</b>	<b>57</b>	<b>40</b>	<b>30</b>
<b><u>LAB ANALYSES</u></b>													
<b><u>Sample Type</u></b>													
Regulatory	163	123	190	208	200	188	146	139	182	132	129	195	175
Process Control	1,139	1,071	1,080	1,103	1,103	796	871	917	890	926	486	1,154	1,087
Special Request	6	4	2	4	1	6	34	2	-	-	13	-	2
Quality Control/Assurance	874	692	794	741	936	489	500	483	622	401	328	1,128	705
<b>TOTAL</b>	<b>2,182</b>	<b>1,890</b>	<b>2,066</b>	<b>2,056</b>	<b>2,240</b>	<b>1,479</b>	<b>1,551</b>	<b>1,541</b>	<b>1,694</b>	<b>1,459</b>	<b>956</b>	<b>2,477</b>	<b>1,969</b>

**Summary of NSD Capital Project Status  
through 12-31-18**

Proj #	Description	FY 18/19 Budget	FY 17/18 Carryovers	Adj.	Final FY 18/19 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
	<b><u>COLLECTION SYSTEM</u></b>								
13701	Main Line Sewer Rehabilitation	95,000			95,000	6,750	25,663	62,587	27%
13702	Manhole Raising/Rehabilitation	428,500			428,500	3,839	278,250	146,412	65%
13703	Lateral Replacement/Rehabilitation	77,100			77,100	4,693	49,842	22,566	65%
13704	Cleanouts Installation/Rehabilitation	93,200			93,200	-	40,378	52,822	43%
13705	Inflow & Infiltration (I&I) Reduction Program	214,200			214,200	121,520	9,390	83,290	4%
14703	Browns Valley Rd & First St	5,075,000			5,075,000	80,425	149,490	4,845,085	3%
17704	Infltrtn Rehab - SSMH/PL (CI-)	-	73,900	(40,000)	33,900	-	8,400	25,500	25%
17708	Basin G - I&I Reduction #1	-	200,000		200,000	-	153,759	46,241	77%
18701	I&I Smoke Testing	-	99,750		99,750	15,707	55,833	28,210	56%
18702	Collection System Asset Management Software	275,000	349,550		624,550	406,634	88,608	129,308	14%
18703	Upper Lateral Rehab - Basin L (Pilot) #3	-	5,000		5,000	-	414	4,586	8%
18705	Sewer System Inflow/Infiltration 2018	2,600,000	2,298,750	(20,000)	4,878,750	2,813,480	1,731,479	333,791	35%
18706	Sewer System Inflow/Infiltration 2019	2,321,100	13,900	335,850	2,670,850	-	25,079	2,645,771	1%
19701	66-inch Trunk Rehabilitation (Kaiser to IPS)	1,400,000			1,400,000	82,259	130,895	1,186,845	9%
19702	72-inch Trunk Construction (Kaiser to IPS)	1,000,000		(1,000,000)	-	-	-	-	-
19703	2020 Collection System Rehabilitation	20,000			20,000	-	-	20,000	-
19727	Collection System Master Plan	-		1,000,000	1,000,000	347,100	68,523	584,377	7%
	<b><u>COLLECTION SYSTEM - EQUIPMENT</u></b>								
18708	Manhole - Smart Covers (4)	-	15,000		15,000	13,190	-	1,810	-
18738	Combination Truck Veh #529B	-	3,600		3,600	-	3,600	-	100%
19704	Vehicle 180 - Ford F150 - USA Truck	35,400			35,400	32,183	2,701	516	8%
19729	Replace Coll Veh #166	-		40,000	40,000	35,092	-	4,908	-
19730	CCTV Camera Transporter	-		20,000	20,000	-	-	20,000	-
	<b><u>LIFT STATIONS</u></b>								
17711	West Napa PS - Rehab	5,200,000			5,200,000	671,603	133,861	4,394,536	3%
19705	Stonecrest PS Pump Rebuild	45,000			45,000	30,000	-	15,000	-
	<b><u>TREATMENT</u></b>								
13745	Pond 1 Dredge	600,000			600,000	14,680	10,614	574,707	2%
						-			
	<b><u>TREATMENT - EQUIPMENT</u></b>					-			
13735	Dual Fuel Boiler Burner	-	155,300		155,300	-	-	155,300	-
15711	Rotork Actuator Replacement	-	7,600		7,600	-	-	7,600	-
15713	Aeration Basin Instrmntn/Ctrl	-	6,750		6,750	-	-	6,750	-

**Summary of NSD Capital Project Status  
through 12-31-18**

Proj #	Description	FY 18/19 Budget	FY 17/18 Carryovers	Adj.	Final FY 18/19 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
16712	Main - Primary Clarifier Mech/Struct Rehabilitation	150,000			150,000	52,901	13,785	83,315	9%
17713	Secondary PS VFD Rplcmnt (3)	57,400		(57,400)	-	-	-	-	-
17715	Turbidimeters (7) Tertiary Rplcmnts	-	16,000		16,000	-	-	16,000	-
18711	3W Strainer	-	52,750		52,750	-	-	52,750	-
18715	Muffle Furnace - Replacement	-	5,000		5,000	-	-	5,000	-
18716	Rotork Actuator Replacement	-	67,200	18,600	85,800	-	79,396	6,404	93%
18719	Filter Flow Control - Rotork Valves	-	46,600		46,600	-	36,668	9,932	79%
18720	Neuros Blowers Rebuild	64,300			64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	5,000		5,000	-	-	5,000	-
18725	Belt Press Hydraulic Actuator Replace	-	20,000		20,000	-	18,764	1,236	94%
18740	Main - Chemical Storage Building Piping Repair	250,000	25,000	1,000,000	1,275,000	101,866	104,837	1,068,297	8%
19706	WWTP MP - 3W System Improvements Phase 2	300,000			300,000	-	-	300,000	-
19707	Portable Pumps 10-inch (2)	172,100		42,400	214,500	214,379	-	121	-
19708	Main - Rotork Actuator Replacement	95,000			95,000	-	-	95,000	-
19709	Main - Polymer Tank (3) Replacement	10,000			10,000	-	-	10,000	-
19710	Main - 12kV Redundant Line	120,000			120,000	-	-	120,000	-
19711	Main - CCB Coating - E&W Channels	50,000			50,000	-	-	50,000	-
19712	Main - Utility Generator Power Transition	75,000			75,000	-	-	75,000	-
19713	Main - Cogen Hot Water to FOG Pad	50,000			50,000	-	-	50,000	-
19714	Main - Ventilation System Expansion Boots	50,000			50,000	29,436	-	20,564	-
19715	Main - ARV Replacement	30,000			30,000	-	28,922	1,078	96%
19716	Main - P4PS Pump #3 Rebuild	40,000			40,000	-	35,523	4,477	89%
19728	Lab Sampler	-		15,000	15,000	-	-	15,000	-
	<b><u>TREATMENT - STRUCTURES</u></b>								
17726	Headworks Equipment Rehab/Replacment	1,900,000	9,250		1,909,250	1,439,038	52,544	417,668	3%
18736	Treatment Plant Project 2018	2,100,000	854,000		2,954,000	269,250	2,433,778	250,971	82%
19717	WWTP MP - Pond Transfer Structures 2 to 3	5,000			5,000	-	4,914	86	98%
	<b><u>SCADA</u></b>								
18729	SCADA MP Project #1 - Network Monitoring	-	48,700		48,700	-	2,275	46,425	5%
19718	SCADA MP Phase 5 Security Study	250,000			250,000	186,852	5,404	57,744	2%
	<b><u>RECYCLING - DISTRICT</u></b>								
16716	Line Recycled Water Reservoir	-	100,000		100,000	2,125	82,966	14,909	83%
18730	Jameson 24" Flow Meter Rehab	-	6,200		6,200	-	-	6,200	-
18731	Coombsville Truck Fill Station	375,000	65,050		440,050	47,190	30,652	362,208	7%

**Summary of NSD Capital Project Status  
through 12-31-18**

<b>Proj #</b>	<b>Description</b>	<b>FY 18/19 Budget</b>	<b>FY 17/18 Carryovers</b>	<b>Adj.</b>	<b>Final FY 18/19 Budget</b>	<b>Encumbrance</b>	<b>Costs Paid to Date</b>	<b>Budget Remaining</b>	<b>% Budget Expended</b>
19719	24-inch Valve Replacement - Kirkland Line	5,000			5,000	-	-	5,000	-
19720	Jameson PS VFD	68,900			68,900	-	-	68,900	-
19721	Soscol RW Pump Replacement/Rehab	150,000			150,000	-	-	150,000	-
19722	Vehicle 723/720 - Attachments/Implements	28,700			28,700	-	-	28,700	-
	<b><u>RECYCLING - EXPANSION</u></b>								
13727	North Bay Wate Reuse Project	150,000			150,000	-	97,014	52,986	65%
	<b><u>OTHER</u></b>								
13729	Development Technical Support	248,300		120,100	368,400	-	150,748	217,652	41%
19723	AV System Replacement - Conference Rooms	20,000			20,000	-	-	20,000	-
19724	Fence Repair - District Wide	25,000			25,000	12,000	540	12,460	2%
19725	Vehicle 011 - CSET Trailer	23,700			23,700	-	-	23,700	-
19726	Vehicle 607 - Electrical Hybrid Vehicle	42,800			42,800	37,080	2,030	3,689	5%
<b>GRAND TOTAL ALL PROJECTS</b>		<b>\$26,385,700</b>	<b>\$4,549,850</b>	<b>\$1,474,550</b>	<b>\$32,410,100</b>	<b>\$7,071,272</b>	<b>\$6,147,540</b>	<b>\$19,191,290</b>	<b>19%</b>