



Napa Sanitation District

General Manager's Report

for

February, 2018

Contents:

- a. Transmittal Memo
- b. Budget Status and Cash Summary
- c. Key Information Graphs – Fund Balances, Treatment Plant and Collection
- d. Fund Balances
- e. Development Processing
- f. Construction Inspection
- g. Pollution Prevention
- h. Recycled Water Deliveries
- i. Biosolids Handling
- j. Collection System Maintenance
- k. Treatment Plant Operations
- l. Treatment Plant Maintenance & Laboratory
- m. Capital Project Expenditure Summary



DATE: April 4, 2018
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for February 2018

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 8 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, 2017 – February 28, 2018
Percent Fiscal Year:	66.7%
Operating Expenditures to date:	64.1%
Historical Expenditures to date:	68.0%
Significant Comments:	Debt service payment (interest only) was made for the Series 2012A COPs.

PERSONNEL:

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

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

Summaries of Operational Highlights are on following pages.

COLLECTIONS:

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 8 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 10 cleanouts, repaired 1 cleanout, installed CIPP liner on 4 laterals and repaired 2 laterals. They also raised 3 cleanouts, capped 3 laterals for abandonment and repaired 1 mainline. Additionally, the service response/programs crew completed 96 work orders in support of the grease and odor control program, responded to 49 customer requests for service (17 were NSD problem) and closed out 286 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 92 laterals, cleaned approximately 75,233 feet of main line and CCTV inspected 25 laterals. Also, the CCTV truck televised 12,887 feet of mainline.

TREATMENT PLANT:

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

Plant Operations:

- For February 2018, the plant's influent flow was 189.3 MG as compared to last year flow for February 2017 of 634.5 MG
- Flow to the Napa River for February 2018 was 176.2 MG compared to last year's flow of 718.6 MG.
- The production of recycle quality occurred for 18 day during February 2018 with a total distributed flow of 14.39 MG.
- There was 0.17" rain fall for February 2018 as compared to 8.0" rain fall for February 2017.
- Pond 4 end of the month recorded level reading was 39.31" as compared to February 2017 of 84.65". Total remaining pond capacity for February 2018 was 51.9% as compared to February 2017 remaining capacity of 6.7%.

Power Consumption and Production:

- This February power consumption purchased from PG&E was 345 MWH in comparison to February 2017 purchase of 457 MWH (The cogeneration unit was offline last year during January for overhaul).
- Cogeneration unit ran 660 of 672 hours for the month – 98.21% uptime, averaging 387.85Kw
- Solar generation in February was 74 MWH, compared to 98 MWH in January.

Maintenance:

Significant events for the month of February 2018:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit.
- Replaced 24 volt UPS for PLC2 remote drop 1
- Primary Scum Pump 302/replaced overloads
- Replaced Septage discharge plug valves
- Sampler EFF-001/replaced refrigeration unit and temperature sensor
- Replaced motor on compactor/bar screen #1

Projects

- Completed CIP 13741/Rebuild of Secondary Pump & Motor #3
- Up-grade seal water systems on;
 - Primary Sludge Pump /301
 - Primary Scum Pump /302
 - Primary Sludge Pump /401
 - BFP Polymer Feed Pump/102
 - BFP Polymer Feed Pump/202
 - BFP Polymer Feed Pump/302
- Installed new Turbidity Meters for;
 - Filter influent and effluent
 - Filter cells 1 & 2

Standby Power

- Plant generators operational testing only
- Riverpark, Stonecrest, West Napa operational testing only

Influent Pumps

- All pumps operational

Laboratory:

There were no violations of **Effluent** limits during the month of February 2018. All parameters were monitored at the required frequencies. The following were notable sampling events:

- February 6, 2018: Metals, Cyanide, Mercury, Nutrients,
- February 6-10, 2018: Acute Toxicity Bioassay
- February 7, 2018: Chronic Toxicity Bioassay
- February 7, 2018: Oil & Grease
- February 13, 2018: Nutrients

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

- February 6, 2018: Metals, Cyanide, Mercury

Annual **Groundwater** monitoring occurred in February. All required parameters were monitored. The following were notable sampling events:

- February 15, 2018: Enterococcus, pH, TDS, Nutrients

RECYCLING:

Significant events in the Recycling Department for February 2018 include:

- Recycled water delivered for the month of February 2018 (14.037 million gallons), as compared to February 2017 (0.469 million gallons) is higher due to reservoir filling, golf course and commercial landscape demand. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff approved the connection of one customer in the MST area.
- Staff continued biosolids encapsulating operations as well as infield staging for the reporting period.

POLLUTION PREVENTION:

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

- There were no tours of the treatment plant given in February.
- The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 20,959.2 pounds.
- The District issued 14 ESME Washer Rebates this month at \$12.50 each for a total of \$175.00.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

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

- Consultant completed the pre-design of the West Napa Pump Station Rehabilitation Project.
- Consultant continued design of the Headworks Equipment Replacement Project.
- Contractor continued construction of the Recycled Water Reservoir Improvements Project.
- Staff awarded the construction contract for the 2018 Collection System Rehabilitation Project.
- Consultant continued design of the Browns Valley Trunk Project.
- Consultant continued design of the Pond 1 Dredge Project.
- Consultant continued design of the 2018 Treatment Plant Improvements Project
- Consultant and Staff continued work on Phase 1A of the Asset Management Program.
- Contractor completed construction of the MST Recycled Water Pipeline Expansion Project.
- Contractor continued construction of the 2017 Collection System Rehabilitation Project.
- Staff reviewed 49 sets of development plans and deemed 26 sets of plans complete. The approved plans consisted of one recycled water lateral, nine tenant improvements and sixteen residential dwellings.

Budget Status & Cash Summary - July 1, 2017 - February 28, 2018 (66.7% of the year)

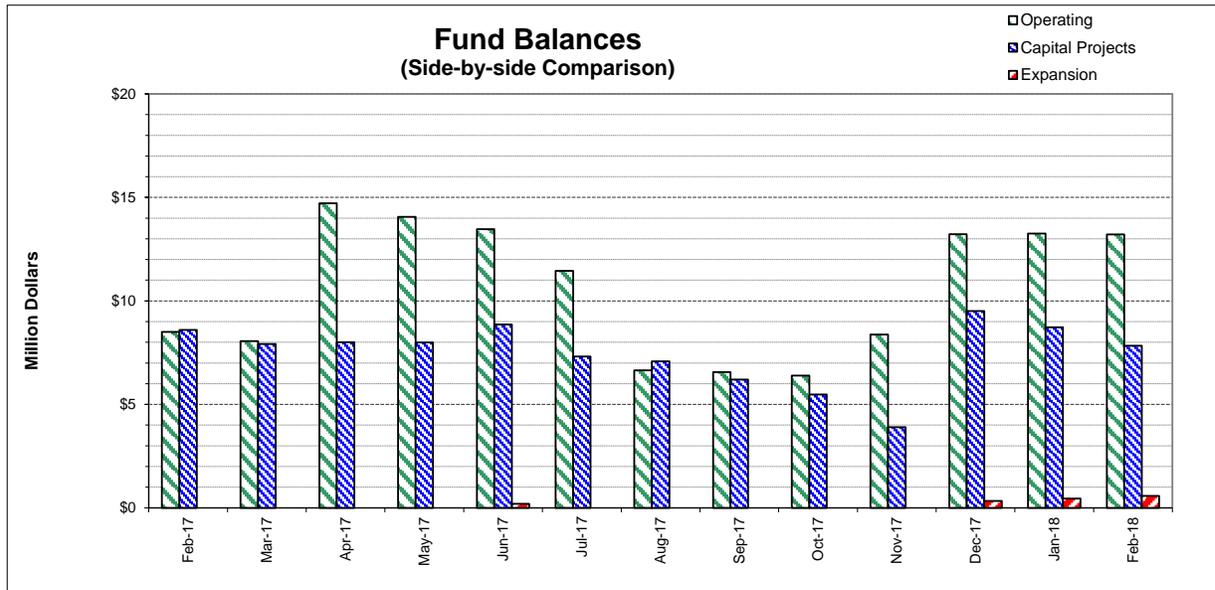
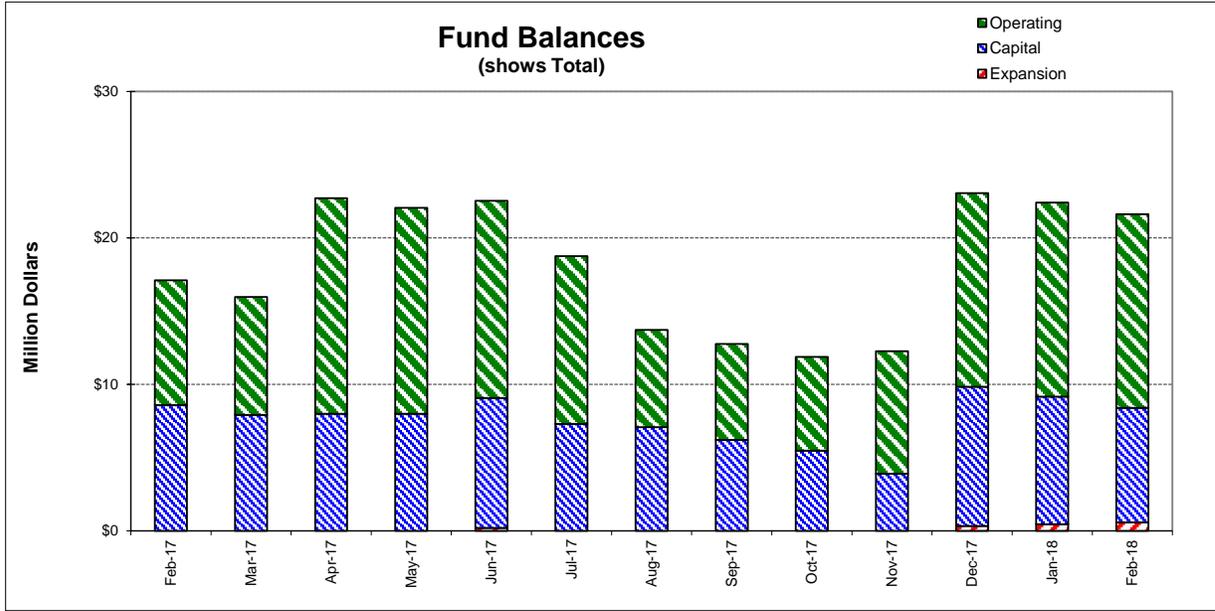
<i>Expenditures</i>	FY 17-18		Expenditures to date	Committed to date	Remaining Balance	Percent Committed
	Budget	Encumbrances				
Operating						
Salaries & Benefits	\$9,581,300	\$1,133	\$5,661,197	\$5,662,331	\$3,918,969	59.1%
Services & Supplies	6,054,300	1,106,978	2,892,321	3,999,299	2,055,001	66.1%
Taxes	28,650	-	14,355	14,355	14,295	50.1%
Debt Service	4,777,450	-	4,681,794	4,681,794	95,656 ^①	98.0%
Intrafund Transfers	8,900,000	-	4,450,000	4,450,000	4,450,000	50.0%
Total Operating:	\$29,341,700	\$1,108,111	\$17,699,667	\$18,807,779	\$10,533,921	64.1% ^②
Capital						
Bldgs/Improvements & Equip	\$33,785,500	\$3,484,869	\$9,965,339	\$13,450,208	\$20,335,292 ^③	39.8%
Intrafund Transfers	3,630,000	-	3,630,000	3,630,000	-	100.0%
Total Capital :	\$37,415,500	\$3,484,869	\$13,595,339	\$17,080,208	\$20,335,292	45.7%
Grand Total Expenditures:	\$66,757,200	\$4,592,981	\$31,295,006	\$35,887,987	\$30,869,213	53.8%

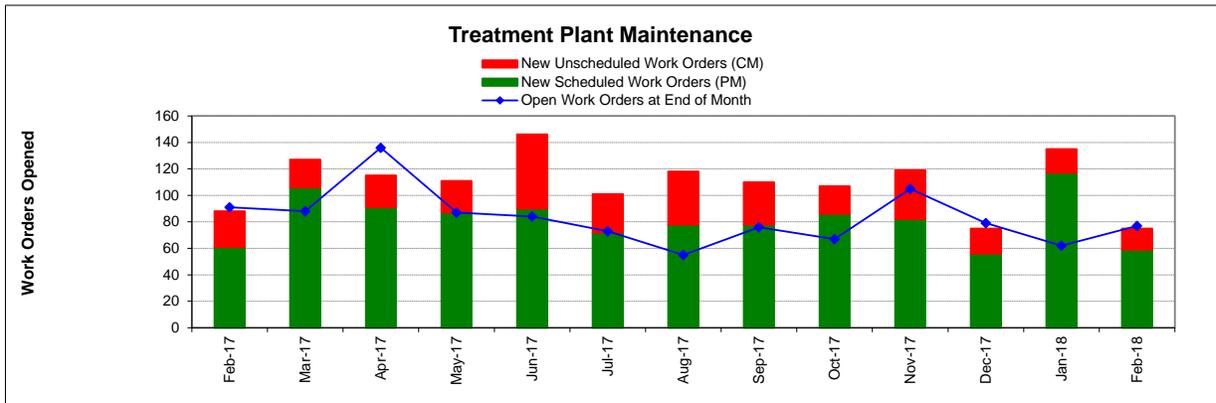
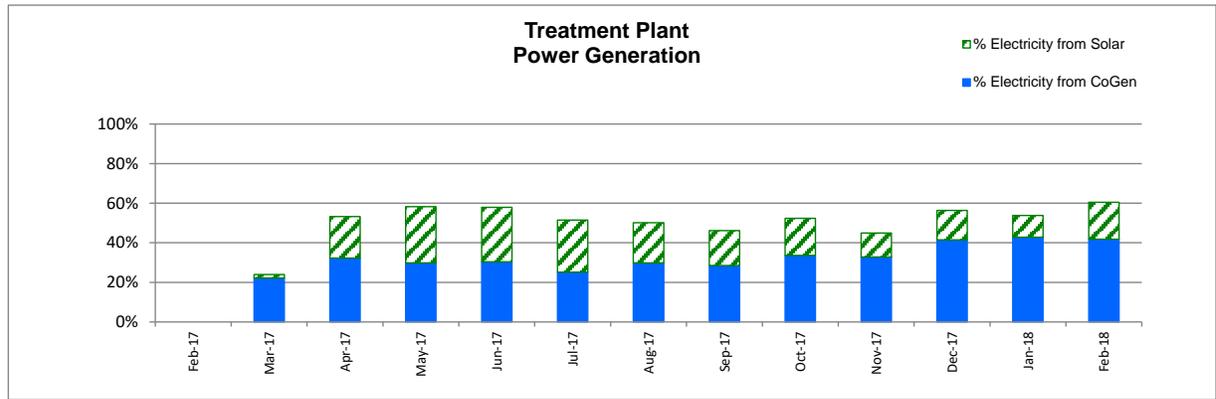
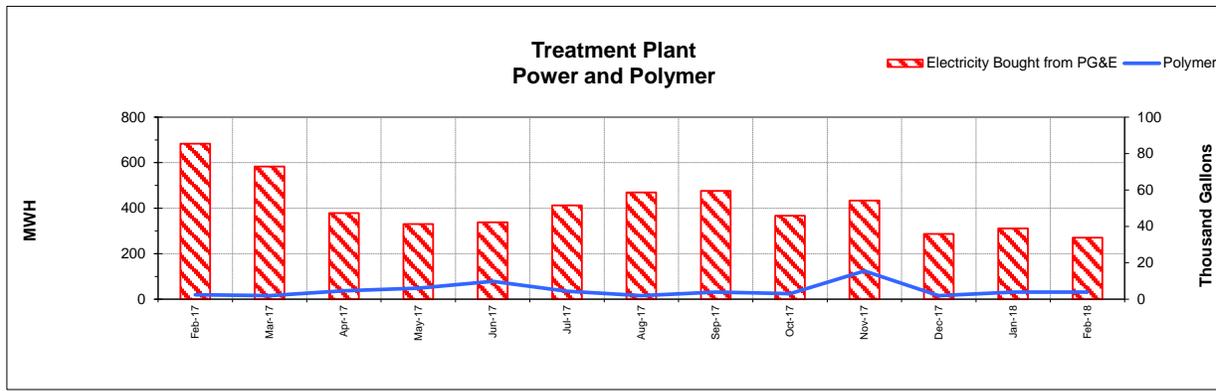
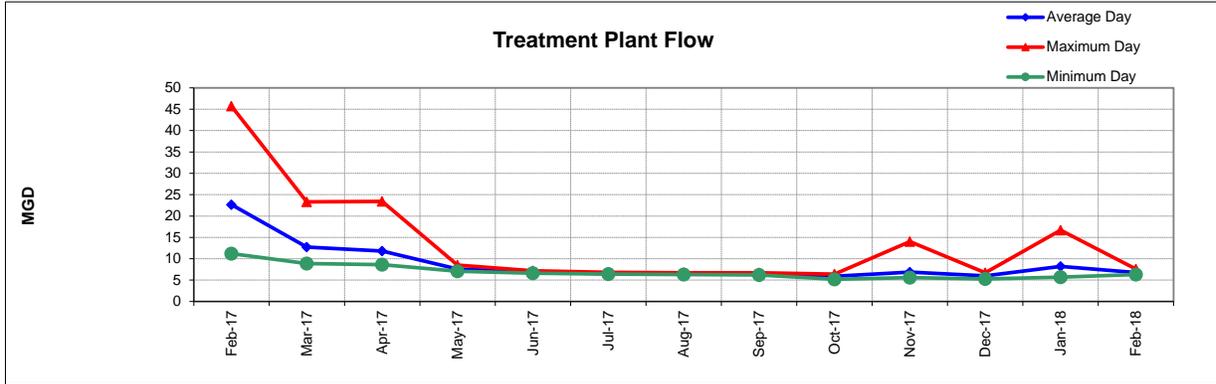
<i>Revenues</i>	FY 17-18		Collected to date	Received to Date	Uncollected Revenue	Percent Collected
	Budget	Encumbrances				
Operating						
Use of Money/Property	\$896,000		\$619,783	\$619,783	\$276,217	69.2%
Intergovernmental	\$15,000		\$0	-	15,000	N/A
Charges for Services	27,429,100		17,307,579	17,307,579	10,121,521	63.1%
Miscellaneous Revenues	61,000		395,958	395,958	(334,958) ^④	649.1%
Donations/Contributions (Capital Labor)	-		549,003	549,003	(549,003) ^⑤	N/A
Total Operating:	\$28,401,100		\$18,872,323	\$18,872,323	\$9,528,777	66.4%
Capital						
Use of Money/Property	\$0		\$1,721	\$1,721	(\$1,721)	N/A
Capacity Charges	3,630,000		4,058,508	4,058,508	(428,508)	111.8%
Intergovernmental	4,076,000		1,282,637	1,282,637	2,793,363	31.5%
Bond/Loan Proceeds	10,137,000		-	-	10,137,000	0.0%
Sale of Assets	25,000		8,372	8,372	16,628	N/A
Miscellaneous Revenues	-		6,870	6,870	(6,870)	N/A
Intrafund Transfers	12,530,000		8,080,000	8,080,000	4,450,000	64.5%
Total Capital:	\$30,398,000		\$13,438,108	\$13,438,108	\$16,959,892	44.2%
Grand Total Revenue:	\$58,799,100		\$32,310,431	\$32,310,431	\$26,488,669	55.0%

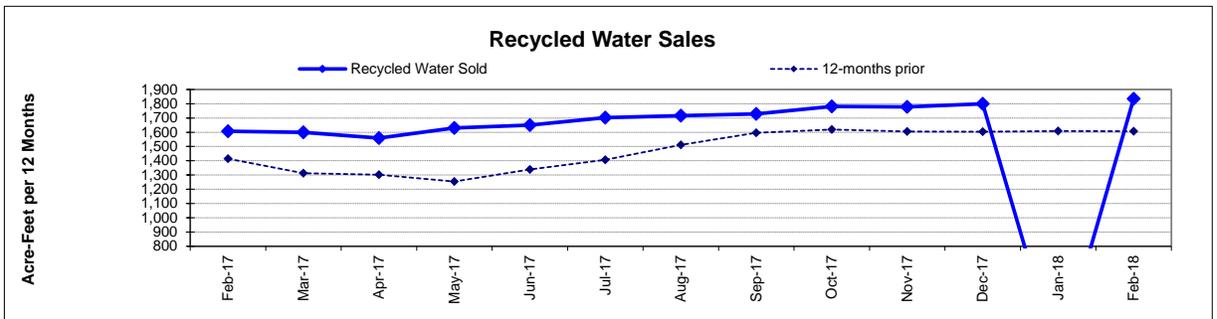
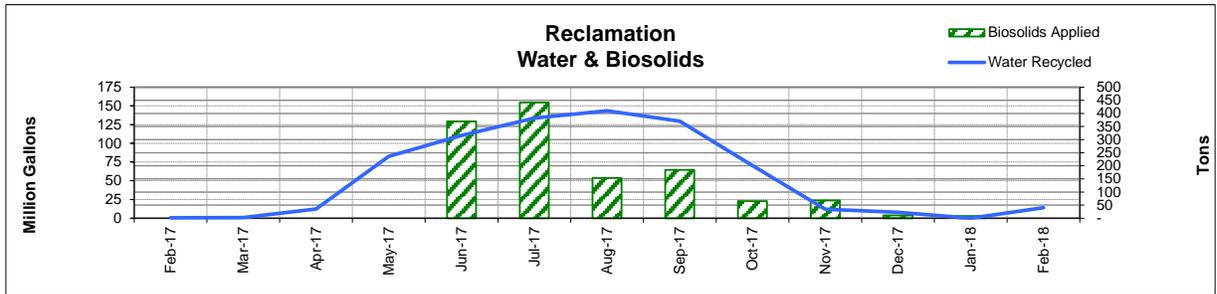
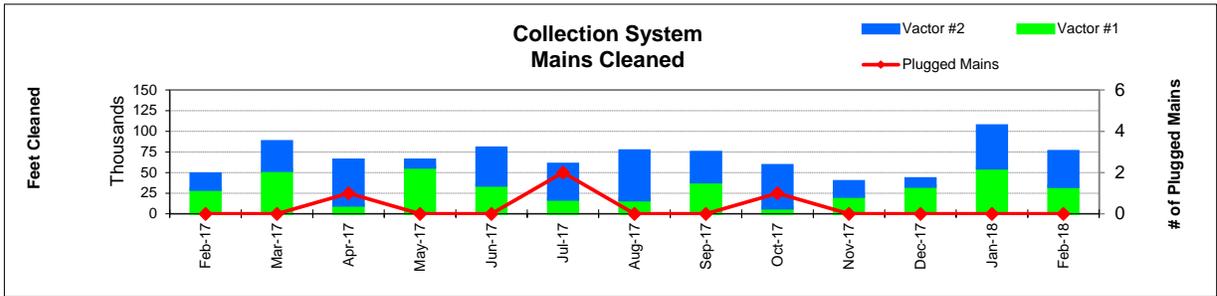
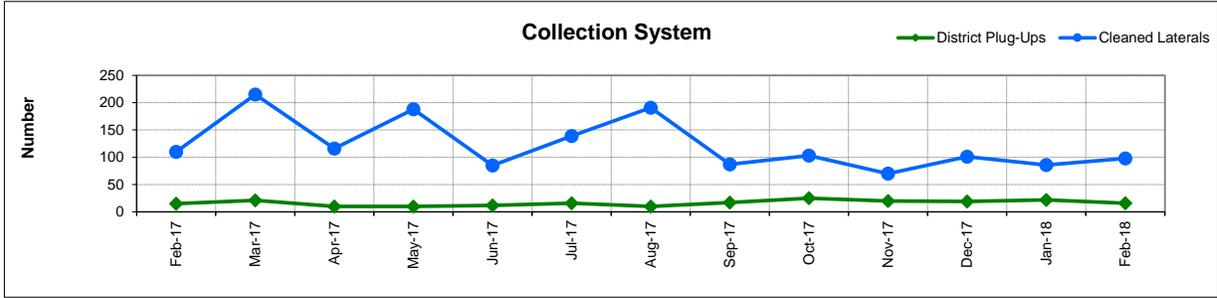
Cash on Hand as of 2/28/18 **\$21,617,248**

**excluding Debt Service restricted funds
2/28/18 - Effective Rate of Return = 1.45%

1. Series 2009B's and 2012A's principal/interest payments are made in Aug & Feb
2. Includes Debt Service and Intrafund Transfers; otherwise is 61.8%
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)







FUND BALANCES - MONTHLY

CATEGORY	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<i>(Thousand Dollars)</i>													
7800	8,506	8,055	14,722	14,059	13,463	11,450	6,645	6,560	6,395	8,372	13,220	13,251	13,210
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	8,506	8,055	14,722	14,059	13,463	11,450	6,645	6,560	6,395	8,372	13,220	13,251	13,210
Capital Improvement Projects	8,598	7,921	8,001	7,995	8,867	7,312	7,083	6,205	5,480	3,897	9,514	8,720	7,830
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	8,598	7,921	8,001	7,995	8,867	7,312	7,083	6,205	5,480	3,897	9,514	8,720	7,830
Total Discretionary Funds	17,104	15,976	22,723	22,054	22,330	18,762	13,728	12,765	11,875	12,269	22,734	21,971	21,040
Expansion Fund (Restricted)	-	-	-	-	202	-	-	-	-	-	332	449	577
Total Restricted Funds	-	-	-	-	202	-	-	-	-	-	332	449	577
TOTAL ALL FUNDS	17,104	15,976	22,723	22,054	22,532	18,762	13,728	12,765	11,875	12,269	23,066	22,420	21,617

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<u>Phone Requests</u>													
Maps/Drawings	7	4	5	5	5	3	4	5	6	3	3	6	6
Lateral Permits	2	2	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	10	6	4	10	19	11	6	4	7	8	6	4	12
Development Questions	60	63	62	91	95	51	71	28	39	40	23	55	63
Miscellaneous	6	6	8	8	10	11	3	3	2	3	10	8	7
TOTAL	85	81	79	114	129	76	84	40	54	54	42	73	88
<u>Counter Requests</u>													
Maps/Drawings	1	-	1	3	6	2	-	1	-	-	-	1	-
Lateral Permits	5	11	10	10	18	15	6	16	4	5	7	11	9
Policy Questions	2	1	-	5	2	5	2	2	2	1	2	-	2
Development Questions	13	5	15	29	21	8	14	8	7	9	9	7	9
Miscellaneous	1	-	1	5	6	2	2	2	3	-	1	1	1
TOTAL	22	17	27	52	53	32	24	29	16	15	19	20	21
<u>Initial Request (Referrals)</u>	11	25	17	22	20	10	11	14	11	17	5	7	13
<u>Connection Permits Issued</u>													
Residential Permits	1	3	1	1	12	1	4	2	1	1	5	3	12
Commercial Permits	1	3	1	4	2	2	5	4	2	2	3	5	3
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	2	6	2	5	14	3	9	6	3	3	8	8	15
Residential Units	1	3	1	2	35	1	4	2	1	1	5	3	12
Commercial Units	3	-	1	4	7	2	6	4	2	2	3	5	3
TOTAL UNITS	4	3	2	6	42	3	10	6	3	3	8	8	15
<u>Annexations</u>													
Submitted	-	-	-	-	-	-	-	-	-	-	-	-	-
Acreage	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	2	4	11	6	8	10	5	10	6	2	3	9	19
Second Submittal	3	7	6	8	4	5	7	1	1	1	4	2	5
Third Submittal	1	5	1	2	8	4	2	1	7	2	3	5	4
<u>Building/Tenant Improvements</u>													
First Submittal	5	7	4	9	17	8	19	15	9	5	10	5	16
Second Submittal	2	5	4	4	5	9	6	5	9	10	3	1	2
Third Submittal	1	10	3	7	8	6	7	3	2	7	5	2	3
<u>Miscellaneous Plan Reviews</u>													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PLANS REVIEWED	14	38	29	36	50	42	46	35	34	27	28	24	49

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	1	-	-	-	-
Permit Processing	-	-	-	-	1	-	-	-	-	-	-	-	-
Preconstruction Meetings	6	6	4	1	2	3	2	-	-	1	1	7	7
Inspections - Mains	-	6	1	-	4	-	-	2	-	-	5	-	20
Inspections - Manholes	16	15	61	1	9	3	3	40	72	45	62	41	38
Inspections - Laterals	17	50	14	3	8	11	8	6	2	7	15	23	26
Inspections - Cleanouts	38	74	25	-	2	4	3	4	4	11	10	31	36
Inspections - Review Video	-	-	-	2	-	3	-	-	-	-	-	-	-
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	1	2	-	-	-	-	-	-	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	77	152	107	7	26	24	16	52	79	64	93	102	127
<u>MISCELLANEOUS</u>													
Meter Readings	-	13	24	-	-	-	-	-	-	-	-	11	24
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	11	10	12	11	30	34	28	30	31	30	25	26	18
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	0	-
TOTAL	11	23	36	11	30	34	28	30	31	30	25	37	42
<u>SPECIAL PROJECTS</u>	6	16	0	0	22	21	23	36	24	6	1	7	0

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<u>Outreach Activities</u>													
Plant Tours Conducted	4	11	3	4	1	2	1	9	1	2	0	3	0
Presentations Made	2	1	1	5	1	0	0	3	0	0	0	0	0
Total Outreach Activities	6	12	4	9	2	2	1	12	1	2	-	3	-
<u>Inspections Conducted</u>													
Food Service Facilities	53	35	25	-	-	-	-	-	-	-	-	6	22
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	1	-	-	-
Total Inspections	53	35	25	-	-	-	-	-	-	1	-	6	22
<u>Compliance Issues</u>													
NOVs Issued	1	4	-	-	1	-	-	1	2	-	1	-	3
NOEs Issued	1	1	-	1	-	-	1	1	1	-	1	1	3
Non-Compliant-FOG	1	1	-	-	-	-	-	-	-	-	1	-	-
Total Compliance Issues	3	6	-	1	1	-	1	2	3	-	3	1	6
<u>Pollution Prevention</u>													
Clothes Washer Rebates	21	-	-	28	21	1	1	19	-	-	-	25	14
Toilet Retrofit Rebates	4	7	1	2	7	16	6	3	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	201	210	185	302	368	-	-	-	59	63	-	35	-

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
MONTHLY (MG)														
Water Sold														
Golf Courses	405.0	-	0.081	2.513	53.481	66.261	73.994	58.595	53.035	26.903	5.504	6.253	-	6.152
Cemeteries	57.1	-	-	-	0.705	0.754	0.834	1.116	0.634	0.833	0.193	0.003	-	0.005
Parks	18.5	-	0.002	0.001	0.624	1.020	0.902	0.866	0.650	0.333	0.020	-	-	-
Schools	21.0	-	0.005	0.013	1.396	2.604	2.250	2.178	1.613	1.485	0.195	0.019	-	0.255
Commerical	167.6	0.404	0.501	2.493	15.246	17.491	17.468	17.399	15.227	13.665	4.387	1.402	-	1.835
Vineyards	564.0	0.063	0.101	7.119	4.868	10.709	19.143	30.814	18.019	16.506	1.766	0.225	-	5.695
Trucked Water	175.0	0.002	0.015	0.018	0.027	0.051	0.474	0.602	0.274	0.197	0.030	0.014	-	0.017
Subtotal Sales	1,408.2	0.469	0.705	12.156	76.347	98.891	115.065	111.571	89.451	59.922	12.095	7.916	-	13.960
District Use														
Jameson	330.0	-	0.087	0.032	-	-	7.298	18.483	20.751	-	-	-	-	0.077
Somky	213.0	-	0.002	-	6.256	11.738	11.488	13.426	19.372	10.364	-	-	-	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	-	0.089	0.032	6.256	11.738	18.786	31.910	40.122	10.364	-	-	-	0.077
TOTAL DELIVERED	2,001.7	0.469	0.794	12.188	82.603	110.628	133.851	143.481	129.574	70.286	12.095	7.916	-	14.037
ANNUAL (AF)														
Water Sold														
Golf Courses	405.0	969	969	936	985	1,013	1,047	1,033	1,044	1,048	1,045	1,064		1,083
Cemeteries	57.1	14	14	14	14	14	14	15	13	15	16	16		16
Parks	18.5	16	16	16	16	16	14	13	13	13	14	14		14
Schools	21.0	34	34	33	32	32	32	33	33	36	36	36		37
Commerical	167.6	305	299	287	300	301	309	309	310	322	325	328		329
Vineyards	564.0	265	264	270	279	270	281	308	310	342	336	336		353
Trucked Water	175.0	5	5	4	4	4	5	5	5	6	6	5		5
Subtotal Sales	1,408.2	1,607	1,600	1,559	1,630	1,650	1,702	1,717	1,728	1,782	1,778	1,799	-	1,835
District Use														
Jameson	330.0	163	163	163	163	158	164	183	182	143	143	143		143
Somky	213.0	222	222	222	241	268	254	230	222	223	223	223		223
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-		-
Subtotal District	593.5	385	385	385	404	427	419	413	404	366	366	366	-	366
TOTAL DELIVERED	2,001.7	1,992	1,985	1,945	2,034	2,077	2,121	2,130	2,132	2,148	2,144	2,165	-	2,202

BIOSOLIDS HANDLING - MONTHLY

Site	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<u>Land Applied by NSD</u>													
Somky													
Airport/Fagundes													
Jameson Canyon	-	-	-	-	370	442	153	184	65	68	11	8	-
Subtotal by NSD	-	-	-	-	370	442	153	184	65	68	11	8	-
<u>Land Applied by Contractor</u>													
Somky													
Airport/Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Land Applied	-	-	-	-	370	442	153	184	65	68	11	8	-
Off Site (Contractor)													
Total (tons)	-	-	-	-	370	442	153	184	65	68	11	8	-

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<u>Plugups</u>													
Total Calls	51	61	39	37	44	43	36	42	54	63	48	62	49
Business Hours	30	43	25	21	25	25	27	26	33	38	27	40	35
After Hours	21	18	14	16	19	18	9	16	21	25	21	22	14
District's	15	21	10	10	12	16	10	17	25	20	19	22	16
Property Owner's	36	40	29	27	32	27	26	25	29	43	29	40	33
Plugged Main Lines													
Run Lateral w/Eel	110	215	116	188	85	139	191	87	103	70	101	86	98
<u>Cleaning (feet of sewer)</u>													
Vactor #1	30,016	52,800	10,888	56,860	35,077	18,053	17,179	38,849	7,417	21,500	33,612	55,782	33,391
Vactor #2	18,062	34,405	53,959	7,819	44,357	41,749	58,712	35,140	50,621	17,254	8,642	50,441	41,842
Hydro											1,251		
Rodder												765	
Total (feet)	48,077	87,205	64,846	64,679	79,433	59,802	75,891	73,989	58,038	38,754	43,505	106,988	75,233
<u>Cleaning Days</u>													
Vactor #1	11	14	5	16	12	8	8	14	3	10	14	18	11
Vactor #2	7	11	17	4	16	13	23	11	18	10	5	14	13
Hydro													
Rodder												1	
<u>Feet/day</u>													
Vactor #1	2,750	3,750	2,200	3,550	2,900	2,250	2,150	2,750	2,450	2,150	2,400	3,100	3,050
Vactor #2	2,600	3,150	3,150	1,950	2,750	3,200	2,550	3,200	2,800	1,750	1,750	3,600	3,200
Hydro													
Rodder												750	
<u>Video Inspections</u>													
Mains (feet)	6,398	17,209	15,580	25,066	24,881	15,731	15,789			10,767	6,320	17,644	12,878
Laterals (each)	175	324	249	251	205	265	246	170	184	172	186	114	122
<u>Construction (each)</u>													
Cleanouts	10	16	4	16	7	31	17	7	4	6	11	15	16
Laterals		4	3	4	15		9	1	1	1	1	1	4
Mains											1		1
Manholes		1											
Other				50			2		57	79			
<u>USA Markings</u>													
Regular (w/in 2 days)	186	254	305	297	258	215	264	233	252	363	210	281	277
Emergency (w/in 2 hours)	7	13	8	3	6	5	3	7	33	9	13	15	3

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18
<u>Scheduled</u>													
Old	49	43	40	75	41	37	28	17	33	33	61	39	27
New	61	106	91	87	90	72	78	78	86	82	56	117	59
Completed	67	109	56	121	94	81	89	62	86	54	78	129	41
New Balance	43	40	75	41	37	28	17	33	33	61	39	27	39
<u>Unscheduled</u>													
Old	49	48	48	61	46	47	45	38	43	34	44	40	35
New	27	21	24	24	56	29	40	32	21	37	19	18	16
Completed	28	21	11	39	55	31	47	27	30	27	23	23	13
New Balance	48	48	61	46	47	45	38	43	34	44	40	35	38
<u>Total Work Orders</u>													
Old	98	91	88	136	87	84	73	55	76	66	105	79	62
New	88	127	115	111	146	101	118	110	107	119	75	135	75
Completed	95	130	67	161	149	112	132	89	117	81	101	152	60
New Balance	91	88	136	87	84	73	55	76	67	105	79	62	77
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	214	210	218	177	230	173	193	194	156	178	163	123	190
Process Control	1,051	1,370	1,167	820	1,107	1,024	1,104	1,091	1,137	1,220	1,139	1,071	1,080
Special Request	1	1	-	6	200	-	-	7	8	4	6	4	2
Quality Control/Assurance	272	301	497	523	574	464	549	428	420	1,110	874	692	794
TOTAL	1,538	1,882	1,882	1,526	2,111	1,661	1,846	1,720	1,721	2,512	2,182	1,890	2,066

**Summary of NSD Capital Project Status
through 02-28-18**

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
<u>COLLECTION SYSTEM</u>									
13701	Main Line Sewer Rehab	91,800			91,800	-	24,142	67,658	26%
13702	Manhole Raising/Rehab	206,000			206,000	-	142,755	63,245	69%
13703	Lateral Replacement/Rehab	74,500			74,500	-	66,468	8,032	89%
13704	Cleanouts Installation/Rehab	90,000			90,000	8,605	56,140	25,255	62%
13705	I&I Reduction Program	207,000	29,000		236,000	189,777	19,061	27,163	8%
14703	Browns Valley Rd & First St	9,237,000	3,004,750	(1,000,000)	11,241,750	97,134	155,182	10,989,434	1%
17702	Upper Lateral Rehab - Basin L (Pilot #2)	155,300		(110,000)	45,300	-	23,687	21,613	52%
17704	Infltrtn Rehab - SSMH/PL (CI-)	-	73,900		73,900	-	-	73,900	-
17705	Soscol Ave (8th to Oil Co Rd)	950,000	415,450		1,365,450	25,437	1,320,747	19,266	97%
17707	66-inch Trunk CCTV Inspection	-	149,350	90,000	239,350	27,836	126,377	85,136	53%
17708	Basin G - I&I Reduction #1	2,942,000	1,504,100		4,446,100	1,275,814	2,752,845	417,441	62%
17734	Homewood/Westwood I/I Reduction	-	60,300		60,300	-	17,537	42,763	29%
18701	I&I Smoke Testing	100,000			100,000	-	-	100,000	-
18702	Collection System Asset Management Software	350,000			350,000	-	-	350,000	-
18703	Upper Lateral Rehab - Pilot #4	5,000			5,000	-	-	5,000	-
18704	Manhole Rehab - Nipak - Basin H	284,600		(5,000)	279,600	-	182,437	97,163	65%
18705	Sewer System Inflow/Infiltration 2018	1,650,000		834,000	2,484,000	906	102,843	2,380,251	4%
18706	Sewer System Inflow/Infiltration 2019	20,000			20,000	-	659	19,341	3%
<u>COLLECTION SYSTEM - EQUIPMENT</u>									
18707	Locatable Mini-Camera #2 Replacement	11,100			11,100	-	8,836	2,265	80%
18708	Manhole - Smart Covers (4)	25,000			25,000	-	2,398	22,602	10%
18709	Vehicle 504 - TV Truck	270,000			270,000	-	187,154	82,846	69%
18735	Permaliner Picote	-		20,000	20,000	-	15,476	4,524	77%
18738	Combination Truck Veh #529B	-		575,000	575,000	563,239	-	11,761	-
<u>LIFT STATIONS</u>									
17711	West Napa PS - Rehab	-	1,746,365		1,746,365	12,486	56,568	1,677,311	3%
<u>TREATMENT</u>									
13745	Pond 1 Dredge	400,000			400,000	26,725	1,047	372,229	0%
16708	Algae to Digester/Thermal Stdy	-	46,800		46,800	22,913	698	23,189	1%
<u>TREATMENT - EQUIPMENT</u>									

**Summary of NSD Capital Project Status
through 02-28-18**

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
13735	Dual Fuel Boiler Burner	155,300			155,300	-	-	155,300	-
13741	Secondary PS Pump Rebuild (3)	38,800			38,800	-	31,797	7,003	82%
13743	Risidual Analyzers (Deox) Replacements	5,000	3,500	40,000	48,500	-	43,925	4,575	91%
15711	Rotork Actuator Replacement	-	7,600		7,600	-	-	7,600	-
15713	Aeration Basin Instrmntn/Ctrl	-	10,000		10,000	-	3,280	6,720	33%
16714	High Voltage System Repairs	-	66,500	(66,500)	-	-	-	-	-
17713	Secondary PS VFD Rplcmnt (3)	55,400	51,150	(106,550)	-	-	-	-	-
17714	WWTP MP - 3W Sys Imprvmnts	440,000	36,100	(476,100)	-	-	-	-	-
17715	Turbidimeters (7) Tertiary Rplcmnts	20,000	15,400		35,400	14,041	19,405	1,954	55%
17718	Enery Audit - LED Pole/Arm Mounted Fixtures	-	44,750	(15,000)	29,750	4,297	267	25,186	1%
17725	Main - Sump #3 Modification	-	10,000		10,000	-	-	10,000	-
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)	-	-	-	-	-
18713	Primary Influent Pipe - East Gallery	250,000		(250,000)	-	-	-	-	-
18714	Distillation System	6,000			6,000	-	-	6,000	-
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	-	100%
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)	-	-	-	-	-
18722	FOG Station Water Heater	5,000			5,000	-	-	5,000	-
18723	Pond 4 PS - Repair Leak	24,000		(24,000)	-	-	-	-	-
18724	Filter 1-4 Air Valve	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	-	7,407	2,593	74%
18739	Pond 1 Transformer Repair	-		25,000	25,000	17,713	-	7,287	-
	TREATMENT - STRUCTURES								
17726	Headworks Equipment Rehab/Replacment	250,000	42,100		292,100	64,336	202,127	25,637	69%
18726	Building HVAC and Lab Ventilation	500,000		(500,000)	-	-	-	-	-
18727	Earthquake - Structural Repair	300,000		350,000	650,000	128	580,475	69,397	89%
18728	Roof Rplcmnt - Solids Handling/Digester Tower	232,900		(65,000)	167,900	2,000	164,935	965	98%

**Summary of NSD Capital Project Status
through 02-28-18**

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
18736	Treatment Plant Project 2018	-		1,500,250	1,500,250	130,382	195,158	1,174,710	13%
18737	Flash Mixer Replacement	-		45,000	45,000	36,428	50	8,522	0%
	<u>SCADA</u>								
18729	SCADA MP Project #1 - Network Monitoring	50,000			50,000	-	163	49,838	0%
	<u>RECYCLING - DISTRICT</u>								
16716	Line Recycled Water Reservoir	1,800,000	169,550	650,000	2,619,550	850,428	1,011,039	758,083	39%
18730	Jameson 24" Flow Meter Rehab	6,200			6,200	-	-	6,200	-
18731	Coombsville Truck Fill Station	100,000			100,000	94	25,052	74,854	25%
	<u>RECYCLING - EXPANSION</u>								
13727	North Bay Wate Reuse Project	150,000			150,000	-	80,485	69,515	54%
14726	MST RW Pipeline Construction	-	5,000		5,000	-	2,573	2,427	51%
16722	MST RW Pipeline Extension	2,800,000	(158,465)		2,641,535	112,371	2,071,831	457,333	78%
	<u>OTHER</u>								
13729	Development Technical Support	239,900			239,900	-	201,134	38,766	84%
18732	Box Culvert - Fugundes Emergency Access	5,000			5,000	1,780	3,220	-	64%
18733	GPS Handheld	15,000			15,000	-	7,958	7,042	53%
GRAND TOTAL ALL PROJECTS		\$25,018,300	\$7,333,200	\$1,434,000	\$33,785,500	\$3,484,869	\$9,965,339	\$20,335,295	29%