



Napa Sanitation District

General Manager's Report

for

May, 2016

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



NAPA SANITATION DISTRICT

General Manager's Report

Dedicated to Preserving the Napa River for Generations to Come

DATE: July 13, 2016

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for May, 2016

REGULATORY COMPLIANCE:

Collection System Compliance:	1 Category 1 SSO's, 0 Category 2 SSO's and 4 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, 2015 – May 31, 2016
Percent Fiscal Year:	91.7%
Operating Expenditures to date:	88.1%
Historical Expenditures to date:	87.0%
Significant Comments:	The slight difference between the "Operating Expenditures to date" and the "Historical Expenditures to date" is contributed to additional debt service that began in FY 13-14.

PERSONNEL:

Significant events for the month of May 2016 in the Human Resources Department:

New Hires:	None
Separations:	Keith Sorsdal, Collection System Manager
Promotions:	Nick Becker, appointed to Interim Collection System Manager
Recruitment Activities:	Continued recruitment for Collection System Worker
Injuries:	None

Summaries of Operational Highlights are on following pages.

COLLECTIONS:

Significant events for the month of May 2016 in Collection System Maintenance include:

- The District had 1 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 4 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 5 cleanouts, repaired/rehabilitated 5 sewer laterals and replaced 39 screw caps with poppers or grippers. Additionally, the service response programs crew completed 118 work orders in support of the grease and odor control program, responded to 41 customer requests for service and closed out 300 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 180 laterals, cleaned approximately 56,366 feet of main line and CCTV inspected approximately 17,351 feet of main line and 191 lower laterals.
- Continued to assist with the District chloride study.

TREATMENT PLANT:

Significant events for the month of May 2016 in the Treatment Plant Department:

Plant Operations

- For May 2016, the plant's influent flow was 218.9 MG as compared to last year flow for May 2015 of 190.9 MG
- There was no flow to the Napa River for May 2016.
- The production of recycle quality occurred for 31 days during May 2016 with a total flow of 63.3 MG.
- This May power consumption purchased from PG&E was 415 MWH in comparison to May 2015 purchase of 483 MWH.
- There was 0.19" rain fall for May 2016 as compared to 0.0" rain fall for May 2015.
- Pond 4 end of the month recorded level reading was 48.92" as compared to May 2015 of 37.95". Total remaining pond capacity for May 2016 was 48.2% as compared to May 2015 remaining capacity of 55.9%.

Maintenance:

Significant events for the month of May, 2016:

Cogeneration Performance

- Cogeneration unit ran 744 of 744 hours for the month – 100% uptime, averaging 349.21 Kw

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit.
- Replace Euro-Drive Secondary Clarifier #301
- Stonecrest Pump Station - upgrade wet well level transducer mounting and replace transducer
- Replaced block heater on Standby Generator #1
- Sampler at AB Diversion – replace refrigeration unit
- Install DO sensor at E1
- Standby Generator #2 – replaced breaker

Projects

- Fabricate and install hoist for step feed mixer/AB #4

Standby Power

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

Influent Pumps

- Pump 220 down 21 days due to control power short
- Rest of pumps operational

Laboratory:

Monthly Recycle Effluent (E-1) monitoring was conducted on May 3rd, 2016. Sample results received indicated constituent concentrations within typical agronomic ranges.

Monthly Influent (INF-001) monitoring was conducted on May 3rd, 2016. The Influent (INF-001) sample collected on May 3rd indicated an Ammonia result of 36.5mg/L which exceeds the Napa Sanitation District Local Limit of 36.0mg/L. The Influent (INF-001) sample collected on May 3rd indicated a Sodium result of 120mg/L which exceeds the Napa Sanitation District Local Limit of 90mg/L.

RECYCLING:

Significant events in the Recycling Department for May 2016 include:

- Recycled water delivered for the month of May 2016 (53.413 million gallons), as compared to May 2015 (91.979 million gallons) is lower due to golf course demand and district reuse site operations. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff approved seven recycled water service connections in the Los Carneros Water District and four in the Milliken-Sarco-Tulocay area.
- Staff began the land application of biosolids on the Jameson Reuse Site.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention Department for May 2016 include:

- The Napa Safe Medication Collection Program collected 240 pounds of unneeded medications. The total amount of unneeded medications collected since program inception in September 2010 is 17,165.4 pounds.
- Staff gave 4 tours of the Soscol Water Recycling Facility to NVUSD students and 2 presentations.
- The District issued 6 Toilet Rebates @ \$100 each, for a total of \$600.
- The District issued 14 ESME Washer Rebates @ \$12.50 each for a total of \$175.
- Staff also participated in 2 Farmer's Markets and shared pollution prevention messages with attendees.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Department for May 2016 include:

- Staff continued design of the Browns Valley Trunk Project.
- Staff continued design of the Recycled Water Reservoir Lining Project.
- Staff designed a manhole adjustment project and put it out for informal bid.
- Staff held a public bid opening for the Aeration Basin Diffusers, Instrumentation and Controls Project.
- Staff accepted completion of the Soscol Recycled Water Pump Station North-South Split Project.
- Staff issued notice-to-proceed to the contractor for the ACP Lining Project No. 1B.
- Staff issued notice-to-proceed to the contractor for the Sarco Creek Pipeline Replacement Project.
- The contractors continued construction of the following projects:

- a. Basin "L" Pipeline Rehabilitation Project #5
 - b. Siphon Vault Hatch Replacement Project
 - c. Influent Pump Station Expansion Project (punchlist).
 - d. LCWD Recycled Water Pipeline Project (punchlist).
- Staff reviewed 27 sets of development plans and deemed 12 sets of plans complete. The approved plans consisted of seven recycled water laterals, one residential dwelling and four tenant improvements.

Budget Status & Cash Summary - July 1, 2015 - May 31, 2016 (91.7% of the year)

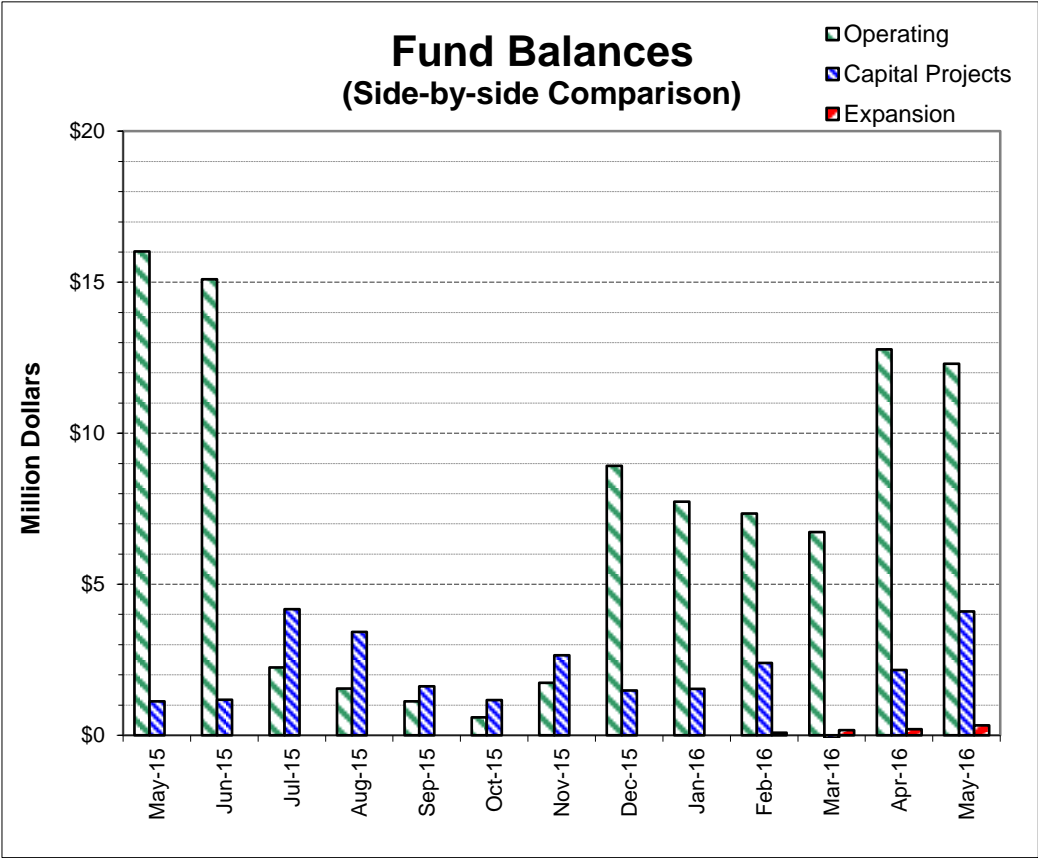
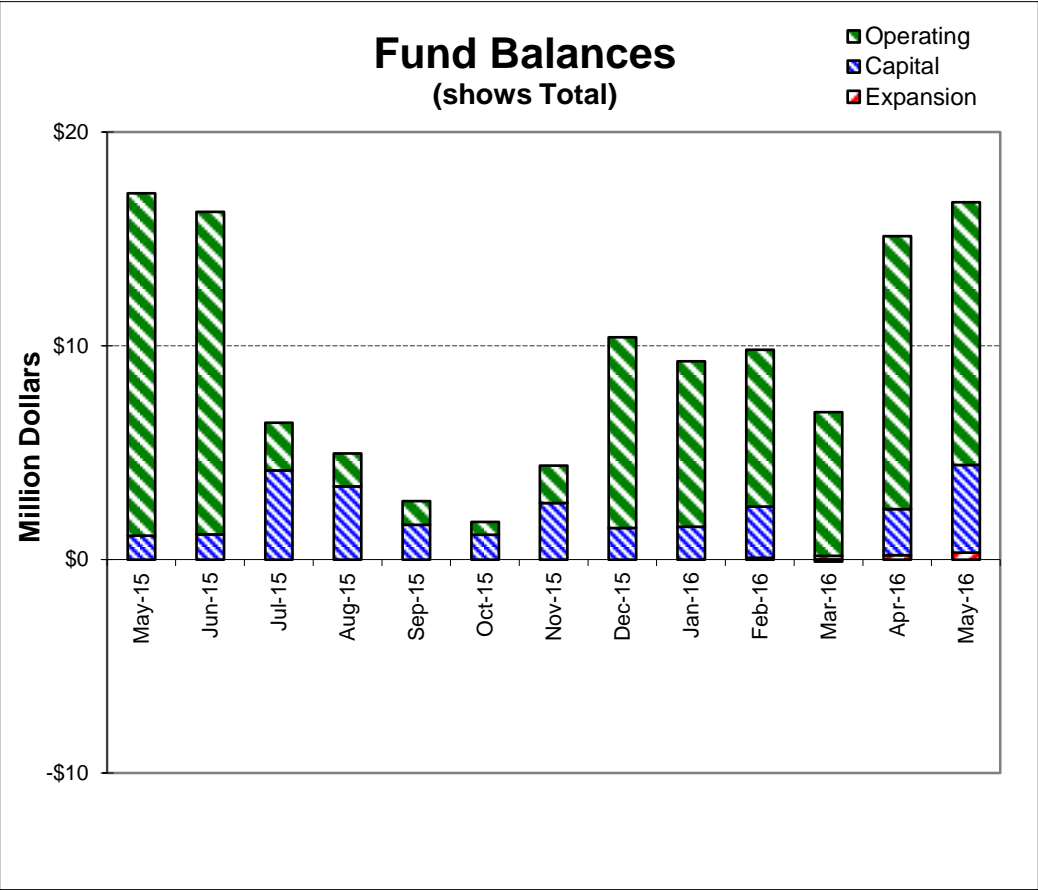
<i>Expenditures</i>	FY 15/16 Budget	Expenditures to date	Encumbrances	Committed to date	Remaining Balance	Percent Committed
<u>Operating</u>						
Salaries & Benefits	\$9,054,200	\$7,083,381	\$0	\$7,083,381	\$1,970,819	78.2%
Services & Supplies	5,884,450	4,136,993	420,547	4,557,540	1,326,910	77.5%
Taxes	28,250	24,995	-	24,995	3,255	88.5%
Debt Service	4,779,200	4,776,996	-	4,776,996	2,204 (1)	100.0%
Intrafund Transfers	7,900,000	7,900,000	-	7,900,000	- (2)	100.0%
Total Operating:	\$27,646,100	\$23,922,365	\$420,547	\$24,342,912	\$3,303,188 (3)	88.1%
<u>Capital</u>						
Bldgs/Improvements & Equip	\$33,448,000	\$22,181,248	\$3,511,232	\$25,692,480	\$7,755,520 (4)	76.8%
Intrafund Transfers	4,348,000	2,998,000	-	2,998,000	1,350,000	69.0%
Total Capital :	\$37,796,000	\$25,179,248	\$3,511,232	\$28,690,480	\$9,105,520	75.9%
Grand Total Expenditures:	\$65,442,100	\$49,101,613	\$3,931,779	\$53,033,392	\$12,408,708	81.0%

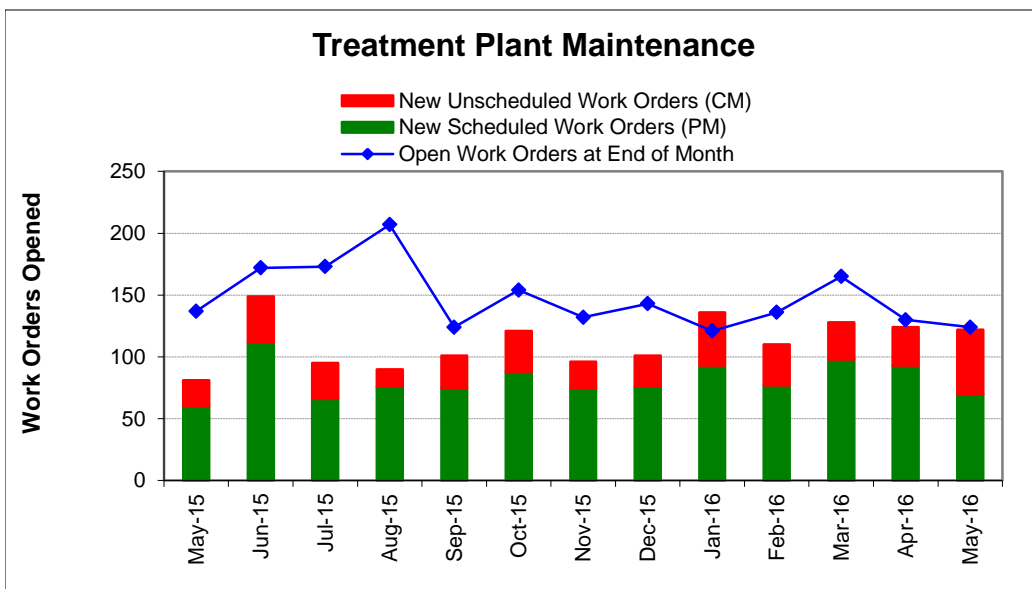
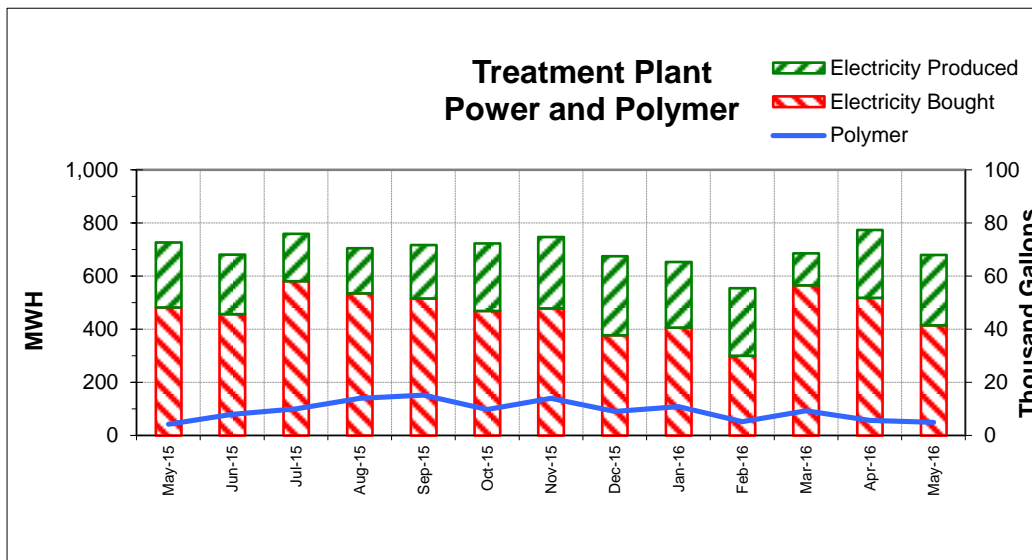
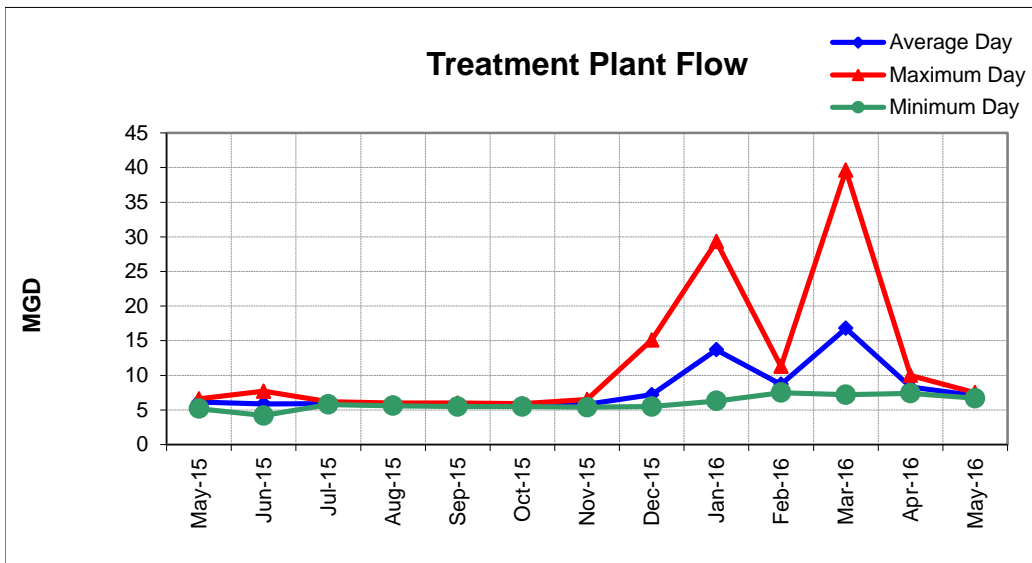
<i>Revenues</i>	FY 15/16 Budget	Collected to date	Encumbrances	Received to Date	Uncollected Revenue	Percent Collected
<u>Operating</u>						
Use of Money/Property	\$766,000	\$755,676		\$755,676	\$10,324	98.7%
Intergovernmental	\$0	\$13,466		13,466	(13,466)	N/A
Charges for Services	20,372,000	20,121,848		20,121,848	250,152	98.8%
Miscellaneous Revenues	143,000	131,081		131,081	11,919	91.7%
Donations/Contributions (Capital Labor)	-	620,902		620,902	(620,902) (5)	N/A
Total Operating:	\$21,281,000	\$21,642,973		\$21,642,973	(\$361,973)	101.7%
<u>Capital</u>						
Use of Money/Property	\$27,000	\$968		\$968	\$26,032 (6)	3.6%
Capacity Charges	2,998,000	2,991,516		2,991,516	6,484	99.8%
Intergovernmental	21,971,100	13,432,115		13,432,115	8,538,985	61.1%
Bond Proceeds	15,200,000	-		-	15,200,000 (6)	0.0%
Sale of Assets	-	134		134	(134)	N/A
Miscellaneous Revenues	-	27,925		27,925	(27,925)	N/A
Intrafund Transfers	12,248,000	10,898,000		10,898,000	1,350,000 (2)	89.0%
Total Capital:	\$52,444,100	\$27,350,659		\$27,350,659	\$25,093,441	52.2%
Grand Total Revenue:	\$73,725,100	\$48,993,633		\$48,993,633	\$24,731,467	66.5%

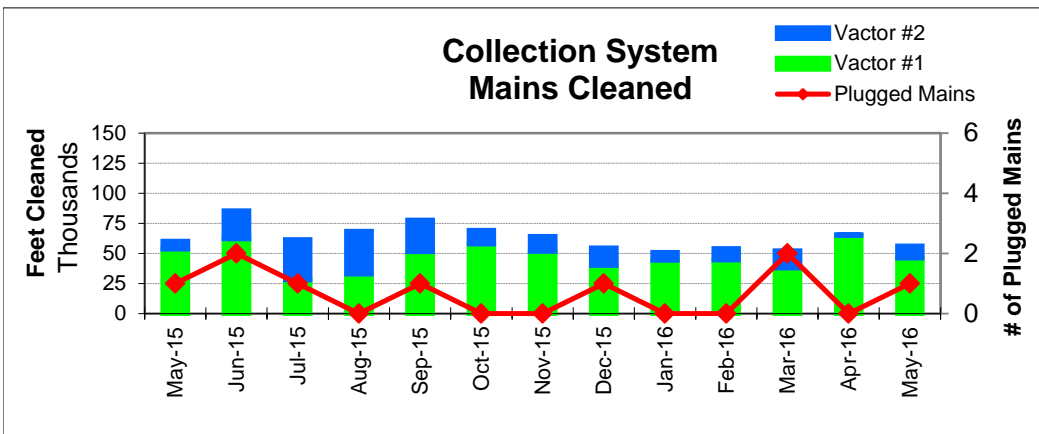
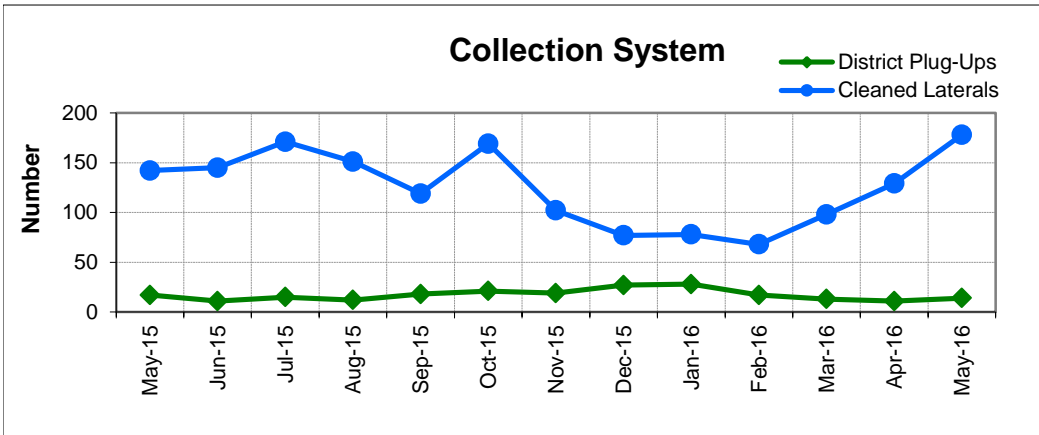
Cash on Hand as of 5/31/16 **\$16,719,169.23**

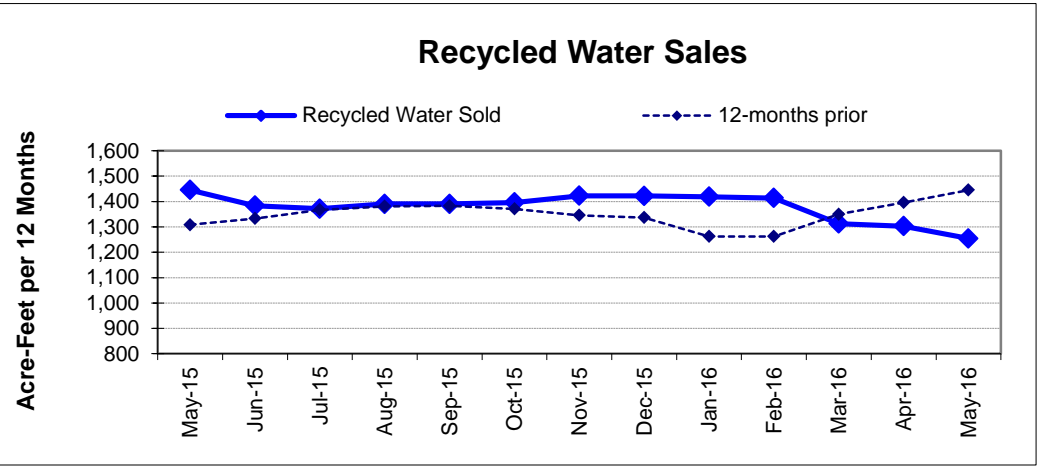
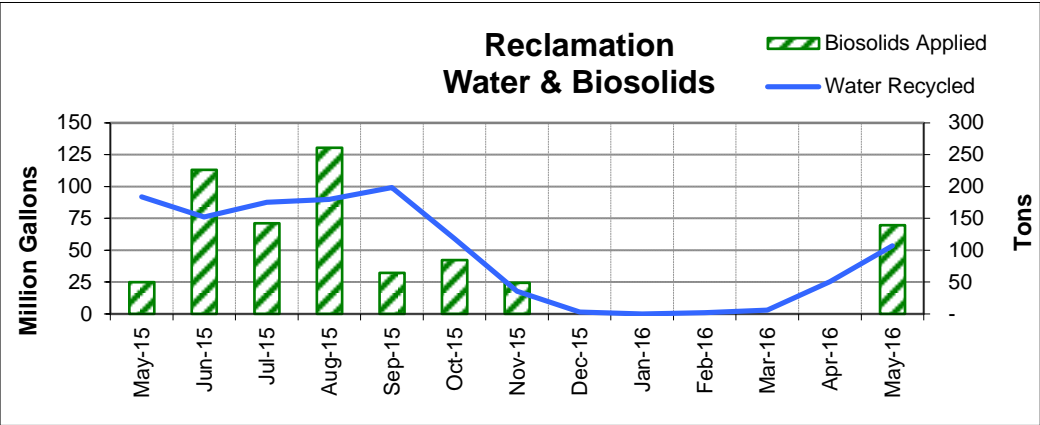
**excluding Debt Service restricted funds
5/31/16 -Effective Rate of Return = 0.73%

1. Series 2009B's and 2012A's principal/interest payments made in Jul & Jan
2. Processed intrafund transfer from Operating to Capital in July
3. Includes Debt Service and Intrafund Transfers; otherwise is 77.9%
4. See Capital Project Status report for details
5. In-house Labor for Capital Projects (Contra acct for Salaries)
6. Budget includes interest earned on bond proceeds which were assumed to be received in FY 15/16 . Alternative financing options have been considered.









FUND BALANCES - MONTHLY

CATEGORY	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<i>(Thousand Dollars)</i>													
7800	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920	7,737	7,347	6,726	12,775	12,297
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920	7,737	7,347	6,726	12,775	12,297
Capital Improvement Projects	1,112	1,167	4,170	3,423	1,624	1,163	2,653	1,484	1,541	2,389	(96)	2,163	4,096
Debt Proceeds	6	6	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	1,118	1,173	4,170	3,423	1,624	1,163	2,653	1,484	1,541	2,389	(96)	2,163	4,096
Total Discretionary Funds	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404	9,278	9,736	6,630	14,938	16,393
Expansion Fund (Restricted)	-	-	-	-	-	-	-	-	-	85	168	200	326
Total Restricted Funds	-	-	-	-	-	-	-	-	-	85	168	200	326
TOTAL ALL FUNDS	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404	9,278	9,821	6,798	15,138	16,719

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<u>Phone Requests</u>													
Maps/Drawings	3	2	6	8	10	6	14	5	9	9	9	8	9
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	3	9	1	8	7	10	4	3	8	12	9	6	9
Development Questions	53	45	41	68	59	93	65	56	89	77	66	105	58
Miscellaneous	4	15	3	11	9	6	5	6	1	6	8	7	14
TOTAL	63	71	51	95	85	115	88	70	107	104	92	126	90
<u>Counter Requests</u>													
Maps/Drawings	1	3	1	2	2	1	2	1	3	3	2	5	-
Lateral Permits	7	13	6	9	9	15	10	14	15	11	8	10	13
Policy Questions	1	3	-	3	1	-	-	2	-	-	1	2	-
Development Questions	2	6	2	10	7	11	10	9	8	17	12	23	2
Miscellaneous	-	2	-	-	-	3	-	1	1	-	-	2	-
TOTAL	11	27	9	24	19	30	22	27	27	31	23	42	15
<u>Initial Request (Referrals)</u>	13	21	13	16	14	20	15	9	15	14	16	11	17
<u>Connection Permits Issued</u>													
Residential Permits	2	6	4	14	7	2	2	8	5	3	4	2	6
Commercial Permits	3	1	1	-	2	4	2	3	-	1	2	1	3
Industrial Permits	-	-	-	-	-	-	-	1	-	-	-	-	-
TOTAL PERMITS	5	7	5	14	9	6	4	12	5	4	6	3	9
Residential Units	5	7	5	14	7	2	2	8	12	4	11	2	6
Commercial Units	3	1	2	-	2	4	183	3	-	1	2	1	3
TOTAL UNITS	8	8	7	14	9	6	185	11	12	5	13	3	9
<u>Annexations</u>													
Submitted	-	1	-	-	-	-	2	1	-	-	-	-	1
Acreage	-	1.00	-	-	-	-	1.60	0.12	-	-	-	-	1.50
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	3	5	3	3	7	4	5	1	3	4	3	8	1
Second Submittal	4	1	2	1	1	3	3	-	-	1	4	3	-
Third Submittal	-	-	1	2	2	1	2	2	1	2	1	1	1
<u>Building/Tenant Improvements</u>													
First Submittal	5	8	7	15	15	17	19	13	9	2	16	21	12
Second Submittal	3	1	5	1	11	9	4	8	8	1	7	8	7
Third Submittal	3	1	1	-	3	3	9	5	4	1	3	1	6
<u>Miscellaneous Plan Reviews</u>	-	-	10	-	-	-	-	-	-	-	-	-	-
TOTAL PLANS REVIEWED	18	16	29	22	39	37	42	29	25	11	34	42	27

INSPECTION WORKLOAD - MONTHLY

CATEGORY	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	3	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	1	-	3	4	-	1	1	2	4	6	6	8	9
Inspections - Mains	-	-	-	-	-	-	-	-	-	6	3	3	2
Inspections - Manholes	-	3	-	10	-	2	13	-	10	91	49	15	8
Inspections - Laterals	8	13	23	20	21	8	9	14	10	15	16	45	29
Inspections - Cleanouts	22	44	32	30	30	12	51	43	17	48	41	42	60
Inspections - Review Video	3	-	5	1	-	1	2	1	4	2	1	4	-
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	1	-	-	-	-	1	-	-	-	1	3	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	35	60	63	65	51	25	76	60	48	169	119	117	108
<u>MISCELLANEOUS</u>													
Meter Readings	-	11	-	9	-	-	15	33	-	-	10	-	9
Washdown Facility Inspections	-	-	-	-	-	11	-	-	-	-	-	-	-
General Customer Assistance	-	-	11	5	19	20	4	3	7	36	37	16	10
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	11	11	14	19	31	19	36	7	36	47	16	19
<u>SPECIAL PROJECTS</u>													
	20	22	21	21	21	18	5	6	-	3	-	15	21

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<u>Outreach Activities</u>													
Plant Tours Conducted	2	1	1			1	2	1	3	2	1	4	4
Presentations Made	0					0	0	0	0	1	1	5	2
Total Outreach Activities	2	1	1	-	-	1	2	1	3	3	2	9	6
<u>Inspections Conducted</u>													
Food Service Facilities	20	2	1	-	7	1	-	10	24	30	31	19	12
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	1	1	-
Total Inspections	20	2	1	-	7	1	-	10	24	30	32	20	12
<u>Compliance Issues</u>													
NOVs Issued	2	4	2	1	2	1	3	1	2	-	1	2	-
NOEs Issued	1	-	-	-	-	1	1	1	-	-	-	1	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	1	-	-	-
Total Compliance Issues	3	4	2	1	2	2	4	2	2	1	1	3	1
<u>Pollution Prevention</u>													
Clothes Washer Rebates	56	48	-	-	12	-	8	27	12	10	-	18	14
Toilet Retrofit Rebates	17	39	15	9	35	17	19	21	1	6	22	19	6
Pharmaceuticals Diverted (in lbs)	190	286	326	293	213	305	199	166	556	341	341	322	240

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
MONTHLY (MG)														
Water Sold														
Golf Courses	405.0	56.967	47.679	55.514	53.870	41.120	20.985	2.744	0.795	-	0.027	0.070	13.197	37.578
Cemeteries	5.0	0.546	0.728	0.786	0.740	0.854	0.448	0.082	-	-	0.145	0.000	0.015	0.447
Parks	18.5	0.647	0.842	1.191	1.132	0.858	0.415	0.086	-	-	-	-	0.036	0.725
Schools	21.0	1.455	2.035	2.020	2.042	1.827	1.119	0.382	0.088	-	0.040	0.075	0.360	1.528
Commerical	167.6	9.008	11.160	15.188	14.433	13.091	10.945	4.335	0.609	-	0.346	2.430	6.403	11.038
Vineyards	564.0	0.418	2.066	0.730	0.325	0.441	0.396	10.205	0.045	-	0.446	0.365	5.268	2.034
Trucked Water	175.0	0.131	0.200	0.306	0.269	0.333	0.473	0.039	0.020	-	0.010	0.018	0.098	0.064
Subtotal Sales	1,356.1	69.172	64.710	75.734	72.811	58.524	34.780	17.872	1.556	-	1.012	2.958	25.377	53.413
District Use														
Jameson	330.0	-	-	-	3.103	16.280	14.046	-	-	-	-	0.084	-	-
Somky	213.0	22.807	11.474	11.844	14.068	24.405	10.220	-	-	-	-	-	-	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	22.807	11.474	11.844	17.171	40.685	24.266	-	-	-	-	0.084	-	-
TOTAL DELIVERED	1,949.6	91.979	76.184	87.578	89.981	99.209	59.046	17.872	1.556	-	1.012	3.042	25.377	53.413
ANNUAL (AF)														
Water Sold														
Golf Courses	405.0	1,038	984	977	1,002	998	1,001	997	1,000		999	915	899	840
Cemeteries	5.0	15	15	15	15	16	15	15	15		15	15	13	13
Parks	18.5	13	13	13	14	16	17	17	17		17	17	16	16
Schools	21.0	42	40	39	39	39	40	40	40		40	37	35	35
Commerical	167.6	303	293	289	286	287	293	295	294		286	275	270	276
Vineyards	564.0	18	24	24	24	25	21	51	49		50	49	64	68
Trucked Water	175.0	16	15	15	11	9	9	8	7		6	6	6	6
Subtotal Sales	1,356.1	1,445	1,384	1,372	1,390	1,391	1,396	1,423	1,422	-	1,414	1,313	1,303	1,254
District Use														
Jameson	330.0	167	154	121	101	122	103	103	103		103	103	103	103
Somky	213.0	274	258	270	270	305	291	291	291		291	291	291	221
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-		-	-	-	-
Subtotal District	593.5	441	411	390	371	427	394	394	394	-	394	394	394	324
TOTAL DELIVERED	1,949.6	1,886	1,795	1,762	1,761	1,818	1,790	1,816	1,816	-	1,807	1,707	1,697	1,578

BIOSOLIDS HANDLING - MONTHLY

Site	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<u>Land Applied by NSD</u>													
Somky													
Airport/Fagundes													
Jameson Canyon	50	226	142	261	64	84	49	-	-	-	-	-	139
Subtotal by NSD	50	226	142	261	64	84	49	-	-	-	-	-	139
<u>Land Applied by Contractor</u>													
Somky													
Airport/Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Land Applied	50	226	142	261	64	84	49	-	-	-	-	-	139
Off Site (Contractor)													
Total (tons)	50	226	142	261	64	84	49	-	-	-	-	-	139

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<u>Plugups</u>													
Total Calls	48	30	47	47	63	57	53	69	78	58	43	41	45
Business Hours	32	14	33	29	37	35	29	40	40	42	22	31	30
After Hours	16	16	14	18	26	22	24	29	38	16	21	10	15
District's	17	11	15	12	18	21	19	27	28	17	13	11	14
Property Owner's	31	19	32	35	45	36	34	42	50	39	30	30	31
Plugged Main Lines	1	2	1		1			1			2		1
Run Lateral w/Eel	142	145	171	151	119	169	102	77	78	68	98	129	178
<u>Cleaning (feet of sewer)</u>													
Vactor #1	53,851	62,212	28,193	32,946	51,755	57,917	51,959	40,292	44,407	44,811	38,201	65,231	46,352
Vactor #2	6,291	23,155	33,397	35,318	26,032	11,147	12,224	14,325	6,329	9,199	14,073	325	9,687
Hydro													
Rodder										650			
Total (feet)	60,142	85,367	61,590	68,264	77,787	69,064	64,183	54,617	50,736	54,660	52,274	65,556	56,039
Cleaning Days	20	27	20	22	24	25	22	23	18	21	17	19	19
Vactor #1	17	19	10	10	14	19	16	18	16	13	14	18	17
Vactor #2	3	8	10	12	10	6	6	5	2	7	3	1	2
Hydro													
Rodder										1			
Feet/day	3,000	3,150	3,100	3,100	3,250	2,750	2,900	2,350	2,800	2,600	3,050	3,450	2,950
Vactor #1	3,150	3,250	2,800	3,300	3,700	3,050	3,250	2,250	2,800	3,450	2,750	3,600	2,750
Vactor #2	2,100	2,900	3,350	2,950	2,600	1,850	2,050	2,850	3,150	1,300	4,700	350	4,850
Hydro													
Rodder										650	222		
<u>Video Inspections</u>													
Mains (feet)	8,481	4,497	4,273	11,613	6,577	12,031	8,137	7,248	6,583	9,718	12,343	8,670	17,352
Laterals (each)	198	175	224	185	194	230	159	173	175	131	154	181	225
<u>Construction (each)</u>													
Cleanouts	9	12	14	12	10	7	10	23	22	20	13	17	7
Laterals	17	11	6	4	8		2	2	5	8		4	3
Mains						1			1			2	
Manholes					1	1							
Other													39
<u>USA Markings</u>													
Regular (w/in 2 days)	224	291	306	256	267	251	218	178	222	281	247	270	319
Emergency (w/in 2 hours)	6	17	9	11	13	13	8	16	21	8	13	5	-

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

[illegible]

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16
<u>Scheduled</u>													
Old	71	67	92	90	127	50	74	66	78	39	55	77	66
New	60	112	66	76	75	88	75	76	93	77	98	93	70
Completed	64	87	68	39	152	64	83	64	132	61	76	104	83
New Balance	67	92	90	127	50	74	66	78	39	55	77	66	53
<u>Unscheduled</u>													
Old	80	70	80	83	80	74	80	66	65	82	81	88	64
New	21	37	29	14	26	33	21	25	43	33	30	31	52
Completed	31	27	26	17	32	27	35	26	26	34	23	55	45
New Balance	70	80	83	80	74	80	66	65	82	81	88	64	71
<u>Total Work Orders</u>													
Old	151	137	172	173	207	124	154	132	143	121	136	165	130
New	81	149	95	90	101	121	96	101	136	110	128	124	122
Completed	94	114	94	56	193	93	118	90	158	95	99	160	128
New Balance	137	172	173	207	124	154	132	143	121	136	165	130	124
<u>LAB ANALYSES</u>													
<u>Sample Type</u>													
Regulatory	372	359	367	382	342	346	408	408	315	281	325	392	130
Process Control	826	760	871	881	843	791	1,310	1,258	1,288	1,157	1,276	1,235	778
Special Request	32	26	132	333	554	174	299	235	60	17	1	5	320
Quality Control/Assurance	5	8	37	12	5	7	302	302	372	500	306	349	209
TOTAL	1,235	1,153	1,407	1,608	1,744	1,318	2,319	2,203	2,035	1,955	1,908	1,981	1,437

**Summary of NSD Capital Project Status
through 5/31/16**

Proj #	Description	FY 15-16 Budget	FY 14-15 Carryovers	Adj.	Final FY 15-16 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
<u>COLLECTION SYSTEM</u>									
13701	Main Line Sewer Rehab	84,900			84,900	-	29,656	55,244	35%
13702	Manhole Raising/Rehab	185,500			185,500	1,774	183,625	101	99%
13703	Lateral Replacement/Rehab	69,200			69,200	1,646	61,627	5,928	89%
13704	Cleanouts Installation/Rehab	76,400			76,400	3,650	70,140	2,610	92%
13705	I&I Reduction Program	130,000		17,000	147,000	103,181	39,871	3,947	27%
14701	Basin L - I&I Reduction Project 4	3,600,000	(1,423,400)		2,176,600	11,187	1,598,353	567,060	73%
14703	Browns Valley Rd & First St	1,339,000	23,450		1,362,450	1,036,171	273,093	53,186	20%
15701	Upper Lateral Rehabilitation - Basin L	175,000	45,300		220,300	18,045	101,400	100,855	46%
15703	Sarco Creek Pipeline Replacement - CalTRANS	82,400	19,450	205,000	306,850	179,259	107,287	20,304	35%
15704	Siphon Rehabilitation #1	5,000			5,000	-	-	5,000	-
15721	ACP CIPP Lining Project #1	1,000,000	47,300	(343,500)	703,800	263,208	294,052	146,540	42%
16701	Basin L - I&I Reduction Project 5	800,000			800,000	506,270	282,140	11,591	35%
16702	Collection System Master Plan Amendment	250,000		(250,000)	-	-	-	-	-
16703	Cleanout Replacement - Basin L (Pilot)	10,000			10,000	-	-	10,000	-
16704	Manhole Rehab - Basin L (Pilot)	10,000			10,000	-	9,833	167	98%
16705	Siphon Rehab #2 - S. Terrace	5,000			5,000	-	-	5,000	-
16718	NN Siphon Vault Cover Replacement	-		75,000	75,000	45,000	1,018	28,982	1%
<u>COLLECTION SYSTEM - EQUIPMENT</u>									
15720	Vehicle - 173B - F350	-	57,500		57,500	-	55,119	2,381	96%
16706	Locatable Mini-Camera #1 Replacement	10,300			10,300	-	10,155	145	99%
16720	Manhole Portable Flowmeter	-		15,000	15,000	-	12,387	2,613	83%
<u>LIFT STATIONS</u>									
16707	West Napa PS - Long Term Planning Study	75,000			75,000	-	-	75,000	-
<u>TREATMENT</u>									
13713	Pond Aeration	-	5,000		5,000	801	2,921	1,278	58%
13714	Phase I Recycled Water Expansion	-	353,000	115,000	468,000	4,983	458,143	4,874	98%
16708	Algae to Digester with Thermal Study	60,000			60,000	34,846	1,119	24,035	2%
16709	Carbon/Energy Efficiency Improvements	100,000			100,000	-	-	100,000	-
<u>TREATMENT - EQUIPMENT</u>									
13715	Spare Digester Mixer	-	187,150		187,150	986	64,720	121,445	35%

**Summary of NSD Capital Project Status
through 5/31/16**

Proj #	Description	FY 15-16 Budget	FY 14-15 Carryovers	Adj.	Final FY 15-16 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
13741	Secondary PS Pump Rebuild (3)	-	35,000		35,000	-	27,794	7,206	79%
14707	Solids Handling Improvements	-	72,800		72,800	-	17,971	54,829	25%
14718	Maint - Stationary Gas Detector Replacement	50,000	123,450		173,450	-	127,602	45,848	74%
14720	Belt Press Polymer Skid Replacement	-	60,000	10,000	70,000	65,772	-	4,228	-
14723	Vehicle 162 - Ford F250 Diesel	-	30,000		30,000	-	-	30,000	-
15709	Effluent Overflow Meter	-	126,800		126,800	-	58,430	68,370	46%
15711	Rotork Actuator Replacement	-	52,750		52,750	6,200	-	46,550	-
15712	Rehabilitate Pond 1 Storage Structure	-	5,000		5,000	-	-	5,000	-
15713	Aeration Basin Instrumentation and Control	-	49,850	126,000	175,850	7,763	158,085	10,001	90%
16710	Sampler 3710FR Replacement	6,300			6,300	-	-	6,300	-
16711	Waterbath	5,200		500	5,700	59	5,344	297	94%
16712	Primary Clarifier Mech/Struct Rehabilitation	40,000		3,000	43,000	-	41,000	2,000	95%
16713	Buried Metalic Piping (eval/rehab)	10,000			10,000	-	-	10,000	-
16714	High Voltage System Repairs	30,000			30,000	-	-	30,000	-
16715	Cogen Bottom End Overhaul	150,000			150,000	-	-	150,000	-
16719	Tractor Tracks (2)	-		20,000	20,000	-	15,638	4,362	78%
16721	Tractor Attachment	-		7,000	7,000	-	5,716	1,284	82%
<u>TREATMENT - STRUCTURES</u>									
13724	IPS Expansion	-	1,144,100		1,144,100	84,473	1,000,658	58,970	87%
<u>SCADA</u>									
13725	SCADA Server Replacement	-	35,050		35,050	-	32,440	2,610	93%
<u>RECYCLING - DISTRICT</u>									
15717	Isolation Valve on Kirkland Line (Devlin Rd)	-	14,650		14,650	-	-	14,650	-
16716	Line Recycled Water Reservoir	45,000			45,000	-	16,033	28,967	36%
<u>RECYCLING - EXPANSION</u>									
13727	North Bay Wate Reuse Project	524,550			524,550	-	495,858	28,692	95%
14726	MST RW Pipeline Construction	4,000,000	1,922,050		5,922,050	416,674	4,719,913	785,463	80%
14727	Split N/S Lines, surge protection	2,300,000	97,150		2,397,150	56,859	2,155,958	184,334	90%
15718	LCWD Recycled Water Pipeline - Construction	15,000,000	(94,850)		14,905,150	662,427	9,432,248	4,810,475	63%

OTHER

**Summary of NSD Capital Project Status
through 5/31/16**

Proj #	Description	FY 15-16 Budget	FY 14-15 Carryovers	Adj.	Final FY 15-16 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
13729	Development Technical Support	220,700			220,700	-	213,902	6,798	97%
16717	Admin/Engineering Bldg - Acoustic Improvements	10,000			10,000	-	-	10,000	-
GRAND TOTAL ALL PROJECTS		\$30,459,450	\$2,988,550	-	\$33,448,000	\$3,511,232	\$22,181,248	\$7,755,520	66%

This page intentionally left blank.