



Napa Sanitation District

General Manager's Report

for

January, 2016

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NAPA SANITATION DISTRICT

General Manager's Report

Dedicated to Preserving the Napa River for Generations to Come

DATE: March 2, 2016

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for January, 2016

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO's, 0 Category 2 SSO's and 5 Category 3 SSO's
NPDES Permit (WWTP) Compliance:	Full compliance with all regulations
Air Quality Compliance:	Full compliance with all regulations
Recycled Water Compliance:	Full compliance with all regulations
Biosolids Compliance:	Full compliance with all regulations
Significant Comments:	None

FISCAL STATUS:

Period Covered:	July 1, 2015 – January 31, 2016
Percent Fiscal Year:	58.3%
Operating Expenditures to date:	74.8%
Historical Expenditures to date:	63.6%
Significant Comments:	<p>In prior years, the intrafund transfers from Operating to Capital were done quarterly. However, for cash flow purposes, the entire transfer of \$7,900,000 was processed early in the fiscal year. This caused the "Operating Expenditures to date" to reflect a higher percentage. If the entire transfer was not included, the "Operating Expenditures to date" would be 60.6%.</p> <p>Payments for the first installment of property taxes were recorded and the sewer service charge revenues were posted in December.</p> <p>The 2nd interest payments for Series 2009B and 2012A were paid in January.</p>

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	Ed Heikell promoted to Equipment Maintenance Specialist I
Recruitment Activities:	Interviews held for Reclamation Maintenance Worker position
Injuries:	None

Summaries of Operational Highlights are as follows:

COLLECTIONS:

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 5 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm 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 22 cleanouts, performed 5 sewer lateral repairs and 1 main line repair. Additionally, the service response programs crew completed 72 work orders in support of the grease and odor control program and closed out 243 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 78 laterals, cleaned approximately 50,700 feet of main line and CCTV inspected approximately 6,760 feet of main line and lower laterals.

TREATMENT PLANT:

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

Plant Operations

- For January 2016, the plant's influent flow was 424.7 MG as compared to last year flow for January 2015 of 235.9 MG
- Total flow to the Napa River for January 2016 was 457.8 MG as compared to January 2015 flow of 355.2 MG.
- The production of recycle quality water did not occur January 2016.
- This January power consumption purchased from PG&E was 407 MWH in comparison to January 2015 purchase of 395 MWH.
- There was 5.90" rain fall for January 2016 as compared to 0.0" rain fall for January 2015.
- Pond 4 end of the month recorded level reading was 39.51" as compared to January 2015 of 40.00". Total remaining pond capacity for January 2016 was 47.8% as compared to January 2015 remaining capacity of 47.3%.

MAINTENANCE:

Significant events for the month of January, 2016

Cogeneration Performance

- Cogeneration unit ran 736 of 744 hours for the month – 98.92% uptime, averaging 320.17 Kw

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit.
- Replaced brush shaft bearings on bar screen #1
- Replaced power supply and motor drive boards on lab Lachat Eleuent pump

Projects

- Installed heating system for polymer delivery at P-4 station
- Completed annual flowmeter calibrations
- Removed wiring and conduit to recycle water strainers
- Installed chemical injection pumps at aux and main heat exchangers

Standby Power

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

Influent Pumps

- Pump 120 down for 5 days due to high current trip
- Rest of pumps operational

Laboratory

Monthly Effluent (EFF-001) monitoring was conducted on January 5, 2015. All Effluent sample results received indicated no unusual results and were within NSD NPDES limits,

Monthly Influent (INF-001) monitoring was conducted on January 5, 2015. All Influent sample results received indicated no unusual results and were within local limits.

On December 30th, 2015 the NSD Laboratory conducted follow up compliance monitoring of Advanced Pressure Technology (NSD's only Categorical Industry). Sample results from this sampling event indicated Boron (0.16 mg/L) and Zinc (0.20 mg/L) concentrations above NSD's Local Limit of 0.14mg/L and 0.183mg/L respectively. A notice of violation and consent order was issued to the Categorical Industrial User and follow-up monitoring has been scheduled for March, 2015.

RECYCLING:

Significant events in the Recycling Department for January 2016 include:

- Recycled water flow totals for January will be included in February values. Distribution system outages related to system expansion projects minimized delivery.
- Staff participated in a joint NSD and Los Carneros Water District recycled water connection outreach meeting.
- Staff continued biosolids encapsulating due to wet weather conditions.

POLLUTION PREVENTION:

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

- In January 2016, the Napa Safe Medication Collection Program collected 556 pounds of unneeded medications. The total amount of unneeded medications collected since program inception in September 2010 is 15,770 pounds.
- Staff gave one (3) tours of the Soscol Water Recycling Facility to students from Justin Siena High School, Vision 2050, and a group from CWEA.
- The District issued 1 Toilet Rebate @ \$100 each, for a total of \$100.
- The District issued 12 ESME Washer Rebate 2015 @ 12.50 for a total of \$150.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT

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

- Staff held a public bid opening for the Basin "L" Pipeline Rehabilitation Project #5.
- Staff advertised the Siphon Vault Hatch Replacement Project for public bid.
- Staff issued Notice Inviting Bids for the Sarco Creek Pipeline Replacement Project.
- Staff continued preliminary design of the Browns Valley Trunk Project.
- Staff issued the Notice to Proceed for design services for the Aeration Basin Diffusers, Instrumentation and Controls Project.
- The contractors continued construction of the following projects:
 - a. Influent Pump Station Expansion Project.
 - b. MST Recycled Water Pump Station Project.
 - c. MST Recycled Water Pipeline Project.
 - d. LCWD Recycled Water Pipeline Project.
 - e. Soscol Recycled Water Pump Station North-South Split Project.
- Staff reviewed 25 sets of development plans and deemed 8 sets of plans complete. The approved plans consisted of one commercial unit, one residential lateral, one residential dwelling, three recycled water services and two tenant improvements.

Budget Status & Cash Summary - July 1, 2015 - January 31, 2016 (58.3% 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	\$4,596,745	\$1,114	\$4,597,859	\$4,456,341	50.8%
Services & Supplies	5,884,450	2,559,850	938,858	3,498,708	2,385,742	59.5%
Taxes	28,250	12,497	-	12,497	15,753	44.2%
Debt Service	4,779,200	4,682,465	-	4,682,465	96,735 (1)	98.0%
Intrafund Transfers	7,900,000	7,900,000	-	7,900,000	- (2)	100.0%
Total Operating:	\$27,646,100	\$19,751,558	\$939,973	\$20,691,530	\$6,954,570	(3) 74.8%
<u>Capital</u>						
Bldgs/Improvements & Equip	\$33,448,000	\$17,658,681	\$4,877,306	\$22,535,987	\$10,912,013 (4)	67.4%
Intrafund Transfers	4,348,000	2,815,675	-	2,815,675	1,532,325	64.8%
Total Capital :	\$37,796,000	\$20,474,356	\$4,877,306	\$25,351,662	\$12,444,338	67.1%
Grand Total Expenditures:	\$65,442,100	\$40,225,913	\$5,817,279	\$46,043,192	\$19,398,908	70.4%

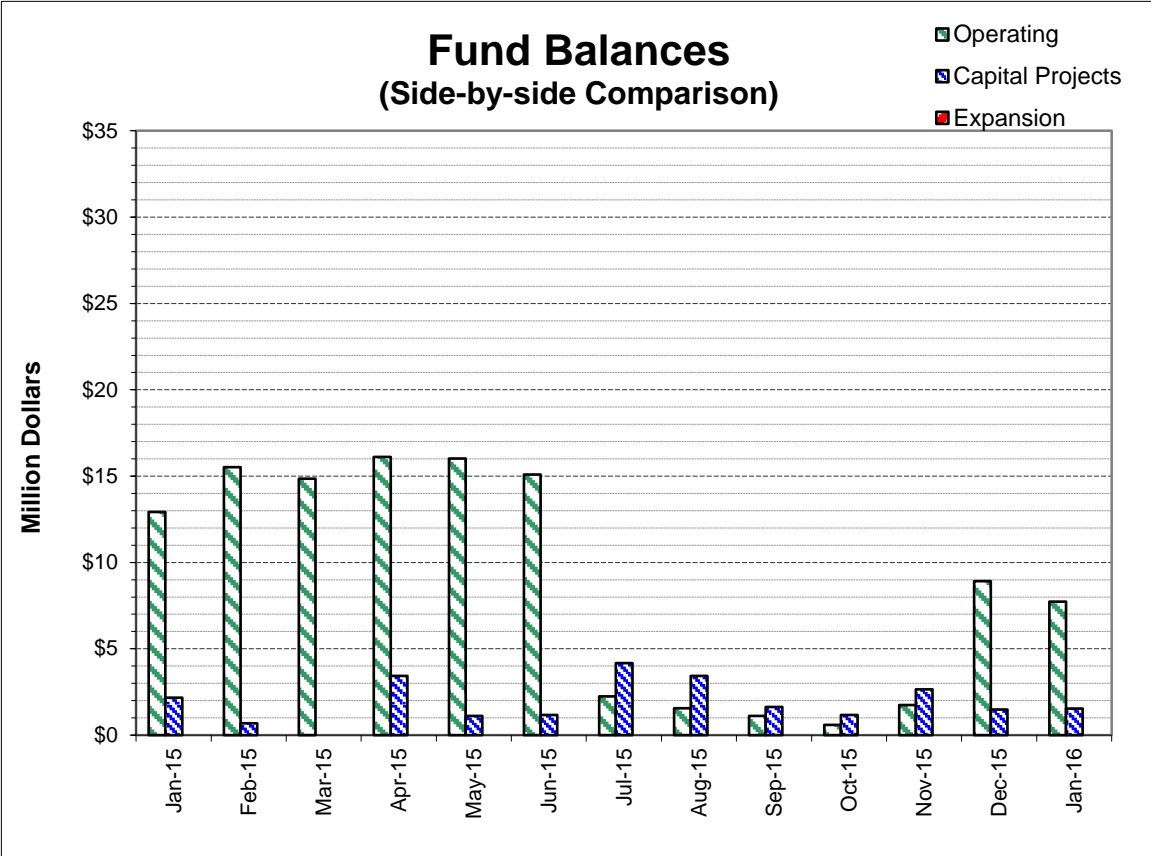
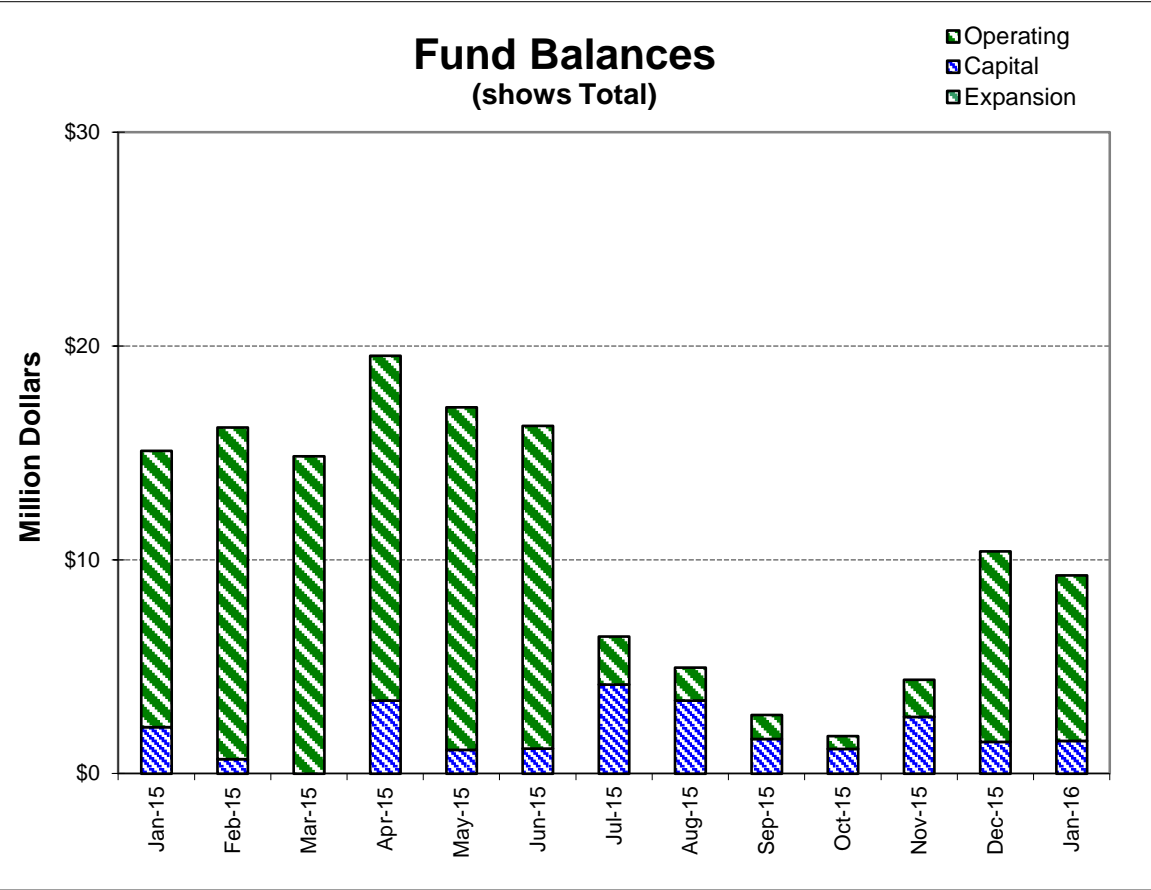
<i>Revenues</i>	FY 15/16 Budget	Collected to date	Encumbrances	Received to Date	Uncollected Revenue	Percent Collected
<u>Operating</u>						
Use of Money/Property	\$766,000	\$565,846		\$565,846	\$200,154	73.9%
Charges for Services	20,372,000	12,136,898		12,136,898	8,235,102	59.6%
Miscellaneous Revenues	143,000	49,715		49,715	93,285	34.8%
Donations/Contributions (Capital Labor)	-	361,311		361,311	(361,311) (5)	N/A
Total Operating:	\$21,281,000	\$13,113,770		\$13,113,770	\$8,167,230	61.6%
<u>Capital</u>						
Use of Money/Property	\$27,000	\$876		\$876	\$26,124	3.2%
Capacity Charges	2,998,000	2,482,689		2,482,689	515,311	82.8%
Intergovernmental	21,971,100	10,853,908		10,853,908	11,117,192	49.4%
Bond Proceeds	15,200,000	-		-	15,200,000	0.0%
Sale of Assets	-	134		134	(134)	N/A
Intrafund Transfers	12,248,000	10,715,675		10,715,675	1,532,325 (2)	87.5%
Total Capital:	\$52,444,100	\$24,053,283		\$24,053,283	\$28,390,817	45.9%
Grand Total Revenue:	\$73,725,100	\$37,167,053		\$37,167,053	\$36,558,047	50.4%

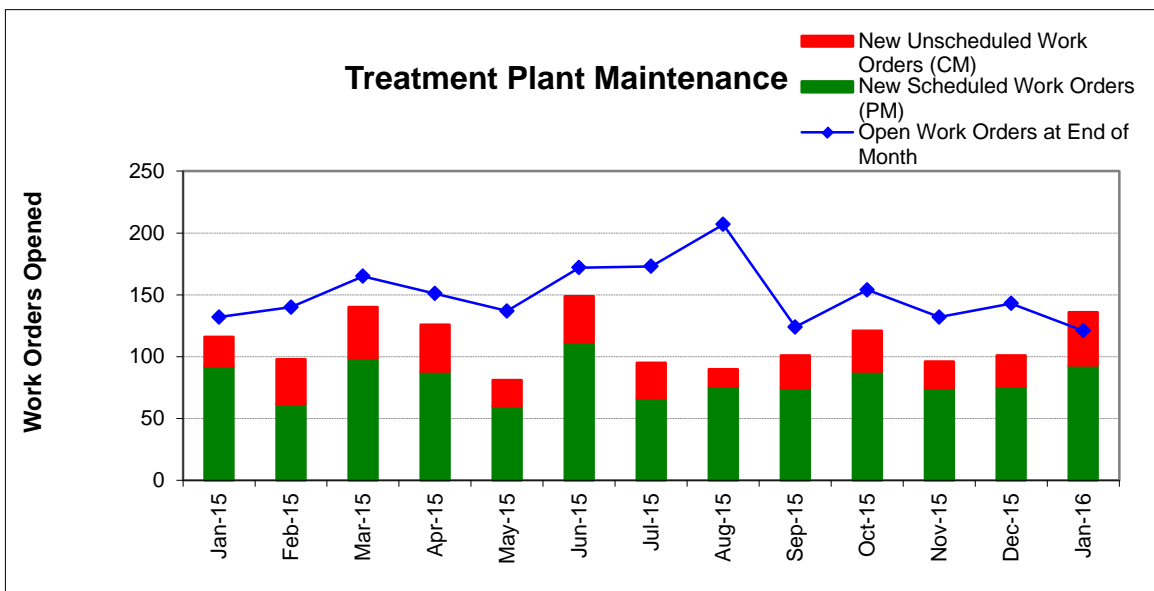
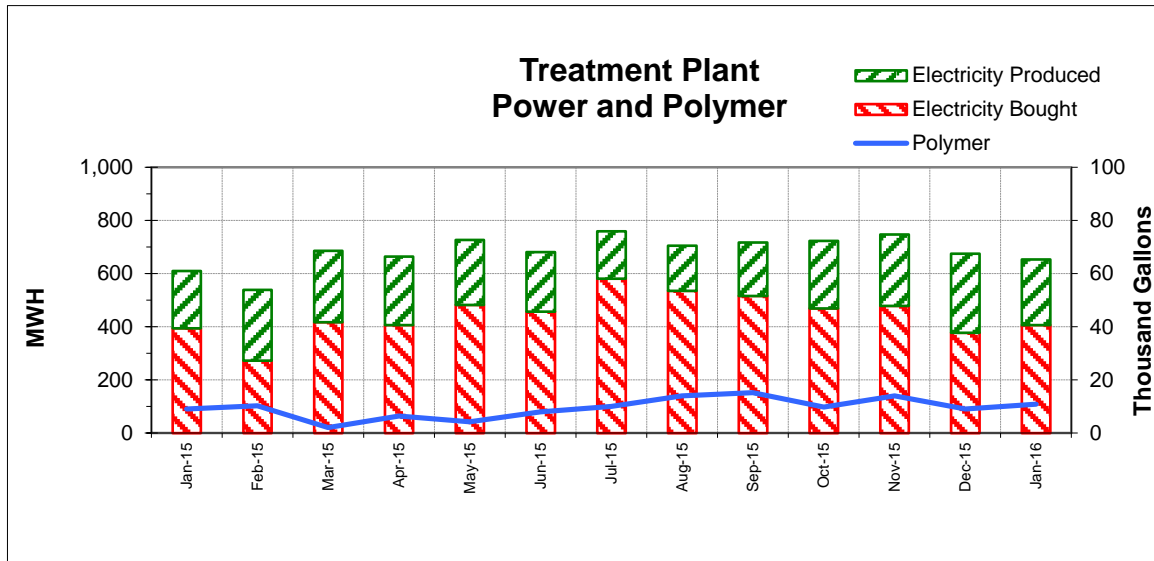
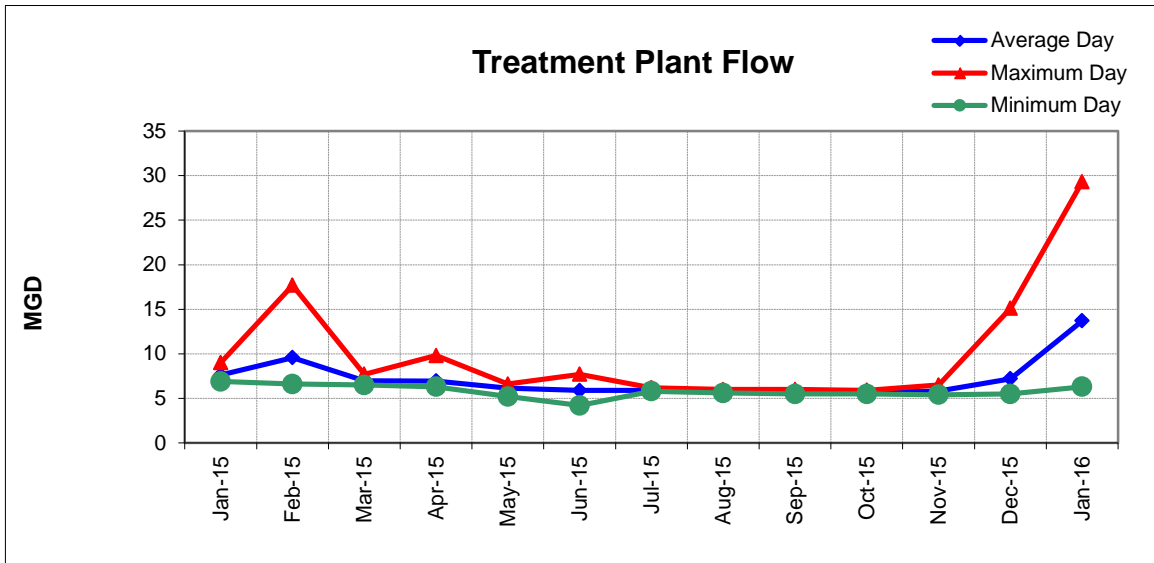
Cash on Hand as of 1/31/16

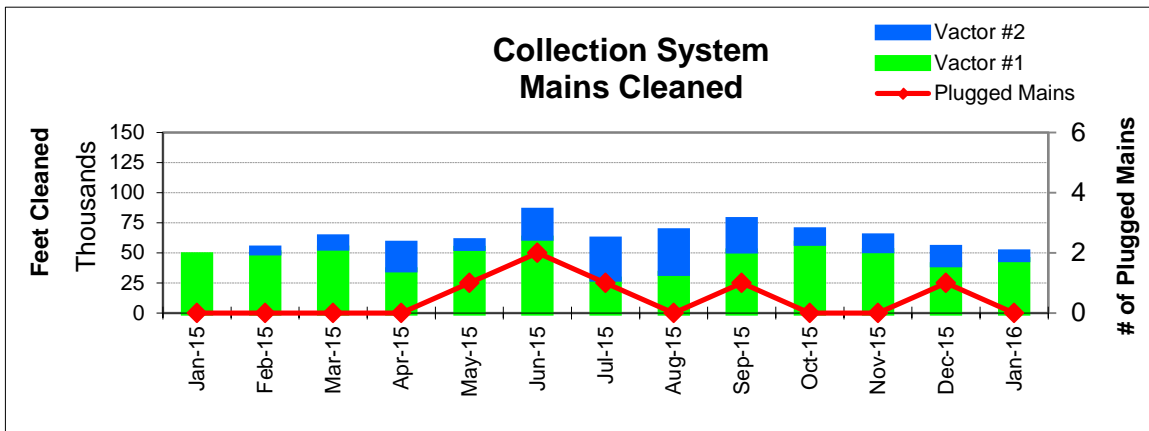
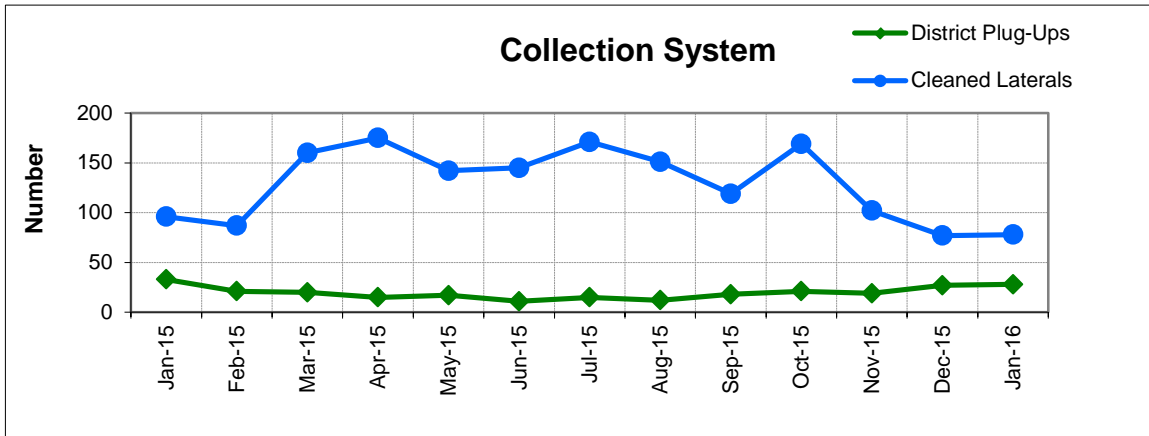
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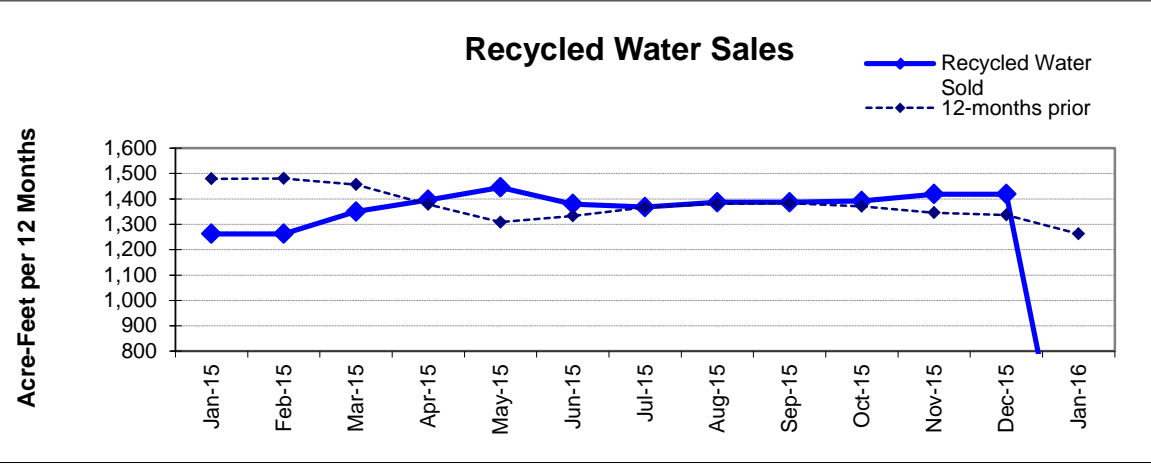
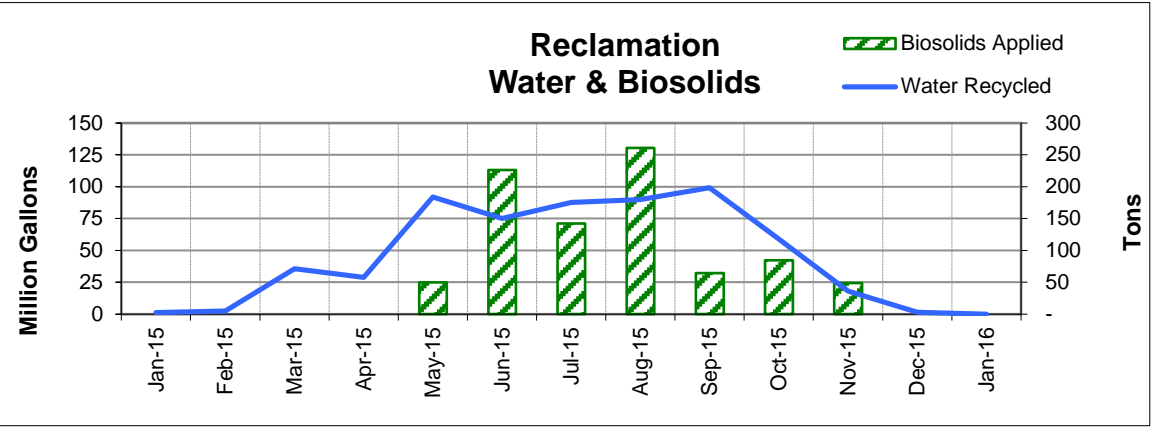
**excluding Debt Service restricted funds
1/31/16 -Effective Rate of Return = 0.61%

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 54.4%
4. See Capital Project Status report for details
5. In-house Labor for Capital Projects (Contra acct for Salaries)









FUND BALANCES - MONTHLY

CATEGORY	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
<i>(Thousand Dollars)</i>													
7800	12,932	15,513	14,844	16,120	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920	7,737
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	12,932	15,513	14,844	16,120	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920	7,737
Capital Improvement Projects	2,171	678	-	3,421	1,112	1,167	4,170	3,423	1,624	1,163	2,653	1,484	1,541
Debt Proceeds	6	6	-	6	6	6	-	-	-	-	-	-	-
Subtotal Capital	2,177	684	-	3,427	1,118	1,173	4,170	3,423	1,624	1,163	2,653	1,484	1,541
Total Discretionary Funds	15,109	16,197	14,844	19,547	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404	9,278
Expansion Fund (Restricted)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Restricted Funds	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ALL FUNDS	15,109	16,197	14,844	19,547	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404	9,278

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
<u>Phone Requests</u>													
Maps/Drawings	3	6	2	3	3	2	6	8	10	6	14	5	9
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	4	8	2	5	3	9	1	8	7	10	4	3	8
Development Questions	31	31	45	58	53	45	41	68	59	93	65	56	89
Miscellaneous	5	3	11	14	4	15	3	11	9	6	5	6	1
TOTAL	43	48	60	80	63	71	51	95	85	115	88	70	107
<u>Counter Requests</u>													
Maps/Drawings	-	2	2	-	1	3	1	2	2	1	2	1	3
Lateral Permits	9	5	9	9	7	13	6	9	9	15	10	14	15
Policy Questions	-	1	1		1	3	-	3	1	-	-	2	-
Development Questions	1	4	5	4	2	6	2	10	7	11	10	9	8
Miscellaneous	1	2	-	2	-	2	-	-	-	3	-	1	1
TOTAL	11	14	17	15	11	27	9	24	19	30	22	27	27
<u>Initial Request (Referrals)</u>	6	15	8	21	13	21	13	16	14	20	15	9	15
<u>Connection Permits Issued</u>													
Residential Permits	-	2	25	8	2	6	4	14	7	2	2	8	5
Commercial Permits	3	4	2	-	3	1	1	-	2	4	2	3	-
Industrial Permits	-	-		-			-			-		1	-
TOTAL PERMITS	3	6	27	8	5	7	5	14	9	6	4	12	5
Residential Units	-	2	25	8	5	7	5	14	7	2	2	8	12
Commercial Units	3	4	2	-	3	1	2	-	2	4	183	3	-
TOTAL UNITS	3	6	27	8	8	8	7	14	9	6	185	11	12
<u>Annexations</u>													
Submitted	-	-	2	-	-	1	-	-	-	-	2	1	-
Acreage	-	-	15.51	-	-	1.00	-	-	-	-	1.60	0.12	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	-	-	1	6	3	5	3	3	7	4	5	1	3
Second Submittal	1	-	1	2	4	1	2	1	1	3	3	-	-
Third Submittal	2	4		2	-	-	1	2	2	1	2	2	1
<u>Building/Tenant Improvements</u>													
First Submittal	8	4	3	5	5	8	7	15	15	17	19	13	9
Second Submittal	4	4	1	1	3	1	5	1	11	9	4	8	8
Third Submittal	2	-	5	1	3	1	1	-	3	3	9	5	4
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	17	12	11	17	18	16	29	22	39	37	42	29	25

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	3
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	-	-	1	1	-	3	4	-	1	1	2	4
Inspections - Mains	-	3	1	2	-	-	-	-	-	-	-	-	-
Inspections - Manholes	8	7	5	-	-	3	-	10	-	2	13	-	10
Inspections - Laterals	4	4	17	14	8	13	23	20	21	8	9	14	10
Inspections - Cleanouts	-	13	40	36	22	44	32	30	30	12	51	43	17
Inspections - Review Video	-	-	1	-	3	-	5	1	-	1	2	1	4
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	1	2	1	-	-	-	-	1	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	12	27	65	55	35	60	63	65	51	25	76	60	48
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	-	-	-	11	-	9	-	-	15	33	-
Washdown Facility Inspections	-	-	-	1	-	-	-	-	-	11	-	-	-
General Customer Assistance	23	22	23	-	-	-	11	5	19	20	4	3	7
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	23	22	23	1	-	11	11	14	19	31	19	36	7
<u>SPECIAL PROJECTS</u>													
	19	-	9	21	20	22	21	21	21	18	5	6	-

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
<u>Outreach Activities</u>													
Plant Tours Conducted	2	2	2	-	2	1	1			1	2	1	3
Presentations Made	-	-	0	-	0					0	0	0	0
Total Outreach Activities	2	2	2	-	2	1	1	-	-	1	2	1	3
<u>Inspections Conducted</u>													
Food Service Facilities	5	29	28	31	20	2	1	-	7	1	-	10	24
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	5	29	28	31	20	2	1	-	7	1	-	10	24
<u>Compliance Issues</u>													
NOVs Issued	1	7	6	-	2	4	2	1	2	1	3	1	2
NOEs Issued	2	1	1	-	1	-	-	-	-	1	1	1	-
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	3	8	7	-	3	4	2	1	2	2	4	2	2
<u>Pollution Prevention</u>													
Clothes Washer Rebates	-	37	62	-	56	48	-	-	12	-	8	27	12
Toilet Retrofit Rebates	15	2	19	10	17	39	15	9	35	17	19	21	1
Pharmaceuticals Diverted (in lbs)	358	257	293	240	190	286	326	293	213	305	199	166	556

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
MONTHLY (MG)														
Water Sold														
Golf Courses	405.0	0.156	0.023	27.603	18.319	56.967	47.679	55.514	53.870	41.120	20.985	2.744	0.795	-
Cemeteries	5.0	0.000	0.012	0.182	0.526	0.546	0.728	0.786	0.740	0.854	0.448	0.082	-	-
Parks	18.5	-	-	0.124	0.344	0.647	0.842	1.191	1.132	0.858	0.415	0.228	-	-
Schools	21.0	0.092	0.035	0.972	1.044	1.455	2.035	2.020	2.042	1.827	1.119	0.382	0.088	-
Commerical	167.6	0.806	2.326	5.931	8.038	9.008	9.846	15.188	14.433	13.091	10.945	4.335	0.609	-
Vineyards	564.0	0.068	0.106	0.751	0.432	0.418	2.066	0.730	0.325	0.441	0.396	10.205	0.045	-
Trucked Water	175.0	0.089	0.076	0.184	0.065	0.131	0.200	0.306	0.269	0.333	0.473	0.039	0.020	-
Subtotal Sales	1,356.1	1.212	2.579	35.747	28.768	69.172	63.396	75.734	72.811	58.524	34.780	18.014	1.556	-
District Use														
Jameson	330.0	-	-	-	-	-	-	-	3.103	16.280	14.046	-	-	-
Somky	213.0	-	-	-	-	22.807	11.644	11.844	14.068	24.405	10.220	-	-	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	-	-	-	-	22.807	11.644	11.844	17.171	40.685	24.266	-	-	-
TOTAL DELIVERED	1,949.6	1.212	2.579	35.747	28.768	91.979	75.040	87.578	89.981	99.209	59.046	18.014	1.556	-
ANNUAL (AF)														
Water Sold														
Golf Courses	405.0	883	879	950	981	1,038	984	977	1,002	998	1,001	997	1,000	
Cemeteries	5.0	15	14	14	15	15	15	15	15	16	15	15	15	
Parks	18.5	12	12	13	14	13	13	13	14	16	17	18	18	
Schools	21.0	39	39	42	43	42	40	39	39	39	40	40	40	
Commerical	167.6	283	287	298	308	303	289	285	282	283	289	291	290	
Vineyards	564.0	14	14	16	18	18	24	24	24	25	21	51	49	
Trucked Water	175.0	16	17	17	17	16	15	15	11	9	9	8	7	
Subtotal Sales	1,356.1	1,263	1,263	1,350	1,396	1,445	1,380	1,368	1,386	1,387	1,392	1,419	1,419	-
District Use														
Jameson	330.0	187	187	187	187	167	154	121	101	122	103	103	103	
Somky	213.0	254	254	254	253	274	258	270	271	306	292	292	292	
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal District	593.5	441	441	441	441	441	412	391	371	428	394	394	394	-
TOTAL DELIVERED	1,949.6	1,703	1,703	1,791	1,837	1,886	1,792	1,758	1,758	1,815	1,786	1,813	1,813	-

BIOSOLIDS HANDLING - MONTHLY

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

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
<u>Plugups</u>													
Total Calls	65	53	61	44	48	30	47	47	63	57	53	69	78
Business Hours	40	32	41	24	32	14	33	29	37	35	29	40	40
After Hours	25	21	20	20	16	16	14	18	26	22	24	29	38
District's	33	21	20	15	17	11	15	12	18	21	19	27	28
Property Owner's	32	32	41	29	31	19	32	35	45	36	34	42	50
Plugged Main Lines			-										
Run Lateral w/Eel	96	87	160	175	142	145	171	151	119	169	102	77	78
<u>Cleaning (feet of sewer)</u>													
Vactor #1	48,535	49,974	53,929	36,091	53,851	62,212	28,193	32,946	51,755	57,917	51,959	40,292	44,407
Vactor #2	-	3,997	9,314	21,993	6,291	23,155	33,397	35,318	26,032	11,147	12,224	14,325	6,329
Hydro													
Rodder													
Total (feet)	48,535	53,971	63,243	58,084	60,142	85,367	61,590	68,264	77,787	69,064	64,183	54,617	50,736
Cleaning Days	15	18	21	22	20	27	20	22	24	25	22	23	18
Vactor #1	15	16	17	14	17	19	10	10	14	19	16	18	16
Vactor #2	-	2	4	8	3	8	10	12	10	6	6	5	2
Hydro													
Rodder													
Feet/day	3,250	3,000	3,000	2,650	3,000	3,150	3,100	3,100	3,250	2,750	2,900	2,350	2,800
Vactor #1	3,250	3,100	3,150	2,600	3,150	3,250	2,800	3,300	3,700	3,050	3,250	2,250	2,800
Vactor #2		2,000	2,350	2,750	2,100	2,900	3,350	2,950	2,600	1,850	2,050	2,850	3,150
Hydro													
Rodder													
<u>Video Inspections</u>													
Mains (feet)	12,838	5,550	22,364	16,913	8,481	4,497	4,273	11,613	6,577	12,031	8,137	7,248	6,583
Laterals (each)	165	147	228	228	198	175	224	185	194	230	159	173	175
<u>Construction (each)</u>													
Cleanouts	17	11	15	20	9	12	14	12	10	7	10	23	22
Laterals	2	1	11	13	17	11	6	4	8		2	2	5
Mains	2	1								1			1
Manholes									1	1			
Other		2											
<u>USA Markings</u>													
Regular (w/in 2 days)	225	169	233	232	224	291	306	256	267	251	218	178	222
Emergency (w/in 2 hours)	19	4	10	10	6	17	9	11	13	13	8	16	21

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

[illegible]

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16
<u>Scheduled</u>													
Old	68	64	63	81	71	67	92	90	127	50	74	66	78
New	92	62	99	88	60	112	66	76	75	88	75	76	93
Completed	96	63	81	98	64	87	68	39	152	64	83	64	132
New Balance	64	63	81	71	67	92	90	127	50	74	66	78	39
<u>Unscheduled</u>													
Old	69	68	77	84	80	70	80	83	80	74	80	66	65
New	24	36	41	38	21	37	29	14	26	33	21	25	43
Completed	25	27	34	42	31	27	26	17	32	27	35	26	26
New Balance	68	77	84	80	70	80	83	80	74	80	66	65	82
<u>Total Work Orders</u>													
Old	137	131	140	165	151	137	172	173	207	124	154	132	143
New	116	98	140	126	81	149	95	90	101	121	96	101	136
Completed	122	90	115	138	94	114	94	56	193	93	118	90	158
New Balance	132	140	165	151	137	172	173	207	124	154	132	143	121
<u>LAB ANALYSES</u>													
<u>Sample Type</u>													
Regulatory	305	362	540	475	372	359	367	382	342	346	408	408	315
Process Control	1,323	1,254	1,344	1,346	826	760	871	881	843	791	1,310	1,258	1,288
Special Request	3	5	47	-	32	26	132	333	554	174	299	235	60
Quality Control/Assurance	563	319	297	500	5	8	37	12	5	7	302	302	372
TOTAL	2,194	1,940	2,228	2,321	1,235	1,153	1,407	1,608	1,744	1,318	2,319	2,203	2,035

**Summary of NSD Capital Project Status
through 1/31/16**

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	-	12,436	72,464	15%
13702	Manhole Raising/Rehab	185,500			185,500	19,674	56,647	109,180	31%
13703	Lateral Replacement/Rehab	69,200			69,200	6,339	30,054	32,808	43%
13704	Cleanouts Installation/Rehab	76,400			76,400	-	47,956	28,444	63%
13705	I&I Reduction Program	130,000		17,000	147,000	141,855	755	4,390	1%
14701	Basin L - I&I Reduction Project 4	3,600,000	(1,423,400)		2,176,600	19,313	1,589,408	567,879	73%
14703	Browns Valley Rd & First St	1,339,000	23,450		1,362,450	177,616	134,648	1,050,186	10%
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		101,850	30,476	69,679	1,694	68%
15704	Siphon Rehabilitation #1	5,000			5,000	-	-	5,000	-
15721	ACP CIPP Lining Project #1	1,000,000	47,300	(252,000)	795,300	-	285,741	509,559	36%
16701	Basin L - I&I Reduction Project 5	800,000			800,000	5,800	2,831	791,369	0%
16702	Collection System Master Plan Amendment	250,000		(126,000)	124,000	-	-	124,000	-
16703	Cleanout Replacement - Basin L (Pilot)	10,000			10,000	-	-	10,000	-
16704	Manhole Rehab - Basin L (Pilot)	10,000			10,000	-	-	10,000	-
16705	Siphon Rehab #2 - S. Terrace	5,000			5,000	-	-	5,000	-
16718	NN Siphon Vault Cover Replacement	-		75,000	75,000	-	50	74,950	0%
<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	-
16720	Manhole Portable Flowmeter	-		15,000	15,000	1	12,387	2,612	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	13,916	449,210	4,874	96%
16708	Algae to Digester with Thermal Study	60,000			60,000	-	367	59,633	1%
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 1/31/16**

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	24,809	2,985	7,206	9%
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	15,915	111,687	45,848	64%
14720	Belt Press Polymer Skid Replacement	-	60,000		60,000	-	-	60,000	-
14723	Vehicle 162 - Ford F250 Diesel	-	30,000		30,000	-	-	30,000	-
15709	Effluent Overflow Meter	-	126,800		126,800	-	54,818	71,982	43%
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	163,567	3,213	9,070	2%
16710	Sampler 3710FR Replacement	6,300			6,300	-	-	6,300	-
16711	Waterbath	5,200			5,200	-	-	5,200	-
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	109,576	941,513	93,011	82%
<u>SCADA</u>									
13725	SCADA Server Replacement	-	35,050		35,050	27,210	5,230	2,610	15%
<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	12,500	260	32,240	1%
<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	479,907	4,353,227	1,088,916	74%
14727	Split N/S Lines, surge protection	2,300,000	97,150		2,397,150	1,590,896	503,418	302,836	21%
15718	LCWD Recycled Water Pipeline - Construction	15,000,000	(94,850)		14,905,150	2,001,749	8,085,228	4,818,172	54%

OTHER

**Summary of NSD Capital Project Status
through 1/31/16**

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	-	104,593	116,107	47%
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	\$4,877,306	\$17,658,681	\$10,912,011	53%