

Napa Sanitation District

General Manager's Report

for

February, 2016

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NAPA SANITATION DISTRICT

General Manager's Report

Dedicated to Preserving the Napa River for Generations to Come

DATE: April 6, 2016

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for February, 2016

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO's, 1 Category 2 SSO's and 6 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 – February 29, 2016
Percent Fiscal Year:	67.7%
Operating Expenditures to date:	78.6%
Historical Expenditures to date:	68.0%
Significant Comments:	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 64.3%.

PERSONNEL:

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

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	Offer letter to Reclamation Maintenance Worker candidate
Injuries:	None

Summaries of Operational Highlights are on following pages.

COLLECTIONS:

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

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 1 Category 2 SSO's and 6 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 20 cleanouts, performed 8 sewer lateral repairs. Additionally, the service response programs crew completed 114 work orders in support of the grease and odor control program and closed out 289 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 68 laterals, cleaned approximately 54,660 feet of main line and CCTV inspected approximately 9,718 feet of main line and lower laterals.

TREATMENT PLANT:

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

Plant Operations

- For February 2016, the plant's influent flow was 252.6 MG as compared to last year flow for February 2015 of 268.2 MG
- Total flow to the Napa River for February 2016 was 306.2 MG as compared to February 2015 flow of 307.1 MG.
- The production of recycle quality water did not occur February 2016.
- This February power consumption purchased from PG&E was 300 MWH in comparison to 2015 purchase of 273 MWH.
- There was 0.84" rain fall for February 2016 as compared to 2.0" rain fall for February 2015.
- Pond 4 end of the month recorded level reading was 38.96" as compared to January 2015 of 37.99". Total remaining pond capacity for February 2016 was 50.5% as compared to February 2015 remaining capacity of 48.8%.

MAINTENANCE:

Significant events for the month of February, 2016

Cogeneration Performance

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- Cogeneration unit ran 693 of 696 hours for the month – 99.57% uptime, averaging 370.00 Kw

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit.
- Replaced Victaulic flange gaskets on hot water pump check valve #102
- Replaced bearings in Recycle pump #1 discharge valve gear operator
- Plant Standby Generator repairs; replaced fuel lines, cleaned buss bars on all three phases plus neutral
- Replaced flare burner deflectors
- Replaced D/O module in PLC #2 remote #2
- Oil, filter sock change on Cogeneration unit
- Repaired DAF skimmer arm
- Replaced 12Kv fuses on riser pole #27/Pond 1 Aerators
- Blower fans in AB blower room/ replace drive motor VFD's

Projects

- Terminate wiring on new Kirkland Ranch Flowmeter
- Interface Filter Polymer Pump #2 VFD to PLC #5
- Fabricated and installed flare wind deflectors
- Replace West Napa Flowmeter
- Replaced Impellers and Volutes, Stonecrest Pumps #1 & #3

Standby Power

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

Influent Pumps

- Pump 230 down 24 hours due to high moisture trip
- Rest of pumps operational

Laboratory

Monthly Effluent (EFF-001) monitoring was conducted on February 3, 2016. All Effluent sample results received indicated no unusual results and were within NSD NPDES limits,

Monthly Influent (INF-001) monitoring was conducted on February 3, 2016. All Influent sample results received indicated no unusual results and were within local limits.

RECYCLING:

Significant events in the Recycling Department for February 2016 include:

- Recycled water flow totals represent January and February deliveries due to distribution system capacity expansion efforts. Recycled water delivered for the month of February 2016 (2.579 million gallons), as compared to February 2016 (1.0112 million gallons) is lower due to ongoing precipitation. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff participated in an informational meeting about the use of Glyphosate (Herbicide) hosted by the Napa County Agricultural Commissioner's Office. Alternative products and methods for weed control were discussed.
- Staff continued biosolids encapsulating due to wet weather conditions.

POLLUTION PREVENTION:

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

- The Napa Safe Medication Collection Program collected 341 pounds of unneeded medications. The total amount of unneeded medications collected since program inception in September 2010 is 16,111 pounds.
- Staff gave two (2) tours of the Socol Water Recycling Facility to students from Vintage High School and St. John's Lutheran School.
- The District issued 6 Toilet Rebate @ \$100 each, for a total of \$600.
- The District issued 10 ESME Washer Rebate 2015 @ 12.50 for a total of \$125.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT

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

- Staff held a public bid opening for the Siphon Vault Hatch Replacement Project.
- Staff awarded construction contract to the Contractor for the Basin "L" Pipeline Rehabilitation Project #5.
- Staff inspected manholes for infiltration and collected samples for chloride analysis.
- Staff held a mandatory pre-bid meeting for the Sarco Creek Pipeline Replacement Project.
- Staff continued preliminary design of the Browns Valley Trunk Project.
- Staff continued design of the Aeration Basin Diffusers, Instrumentation and Controls Project.
- The contractors continued construction of the following projects:
 - a. Influent Pump Station Expansion Project.

- b. LCWD Recycled Water Pipeline Project (punchlist).
 - c. Soscol Recycled Water Pump Station North-South Split Project.
- The contractors completed construction of the following projects:
 - a. MST Recycled Water Pump Station Project.
 - b. MST Recycled Water Pipeline Project.
- Staff reviewed 11 sets of development plans and deemed 6 sets of plans complete. The approved plans consisted of one demo, one public lateral, one residential lateral, two residential dwellings and one tenant improvement.

Budget Status & Cash Summary - July 1, 2015 - February 29, 2016 (66.7% of the year)

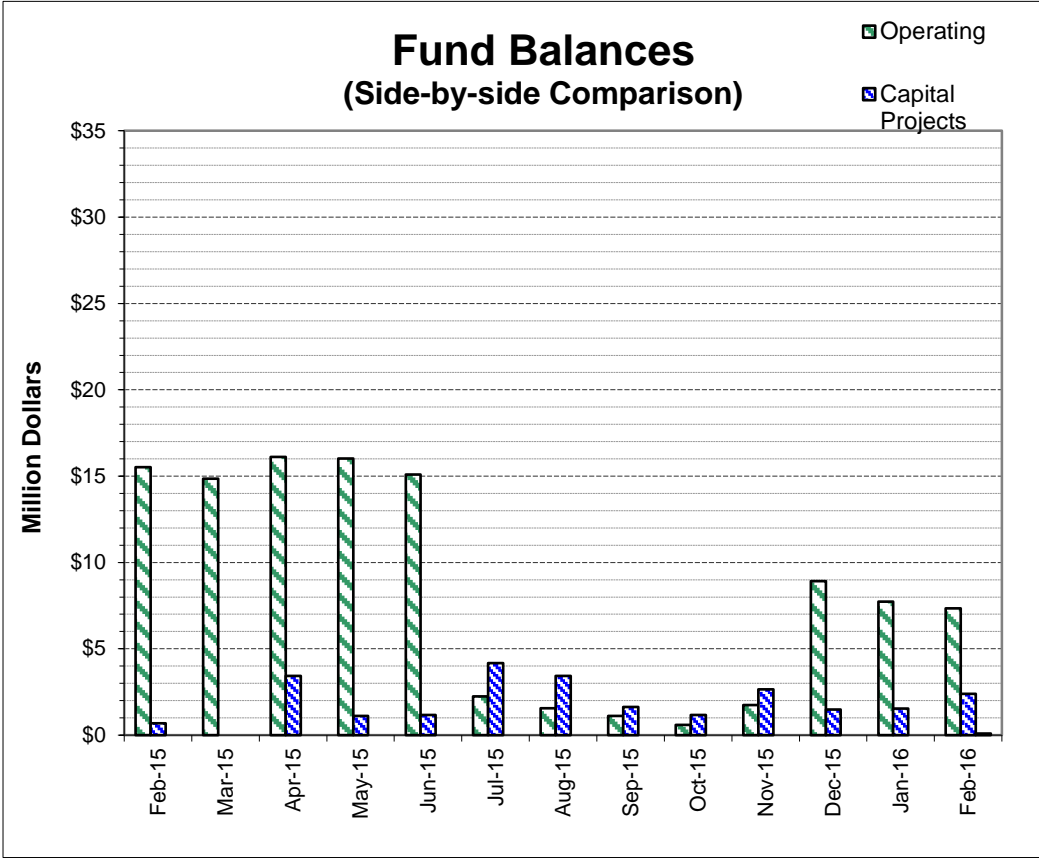
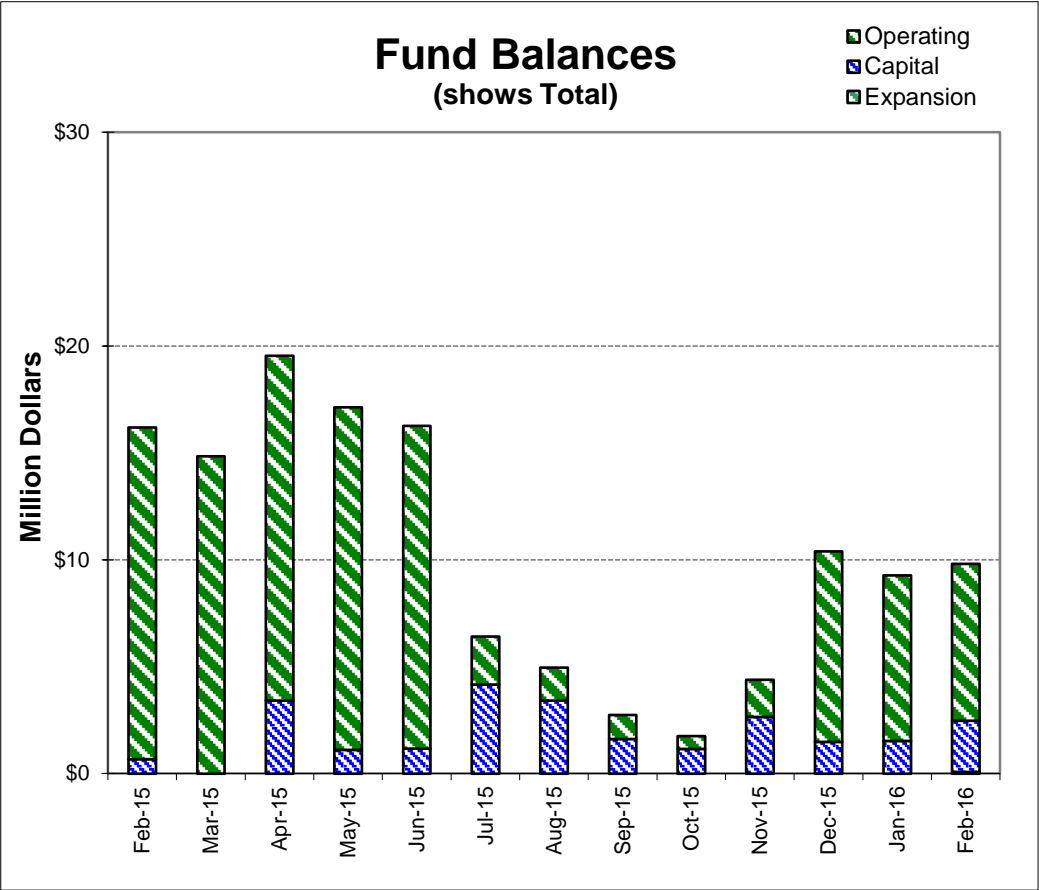
<i>Expenditures</i>	FY 15/16 Budget	Expenditures to date	Encumbrances	Committed to date	Remaining Balance	Percent Committed
<u>Operating</u>						
Salaries & Benefits	\$9,054,200	\$5,210,640	\$1,114	\$5,211,754	\$3,842,446	57.6%
Services & Supplies	5,884,450	2,965,128	962,713	3,927,841	1,956,609	66.7%
Taxes	28,250	12,497	-	12,497	15,753	44.2%
Debt Service	4,779,200	4,683,415	-	4,683,415	95,785 (1)	98.0%
Intrafund Transfers	7,900,000	7,900,000	-	7,900,000	- (2)	100.0%
Total Operating:	\$27,646,100	\$20,771,681	\$963,827	\$21,735,508	\$5,910,592 (3)	78.6%
<u>Capital</u>						
Bldgs/Improvements & Equip	\$33,448,000	\$18,123,774	\$5,448,860	\$23,572,634	\$9,875,366 (4)	70.5%
Intrafund Transfers	4,348,000	2,998,000	-	2,998,000	1,350,000	69.0%
Total Capital :	\$37,796,000	\$21,121,774	\$5,448,860	\$26,570,634	\$11,225,366	70.3%
Grand Total Expenditures:	\$65,442,100	\$41,893,455	\$6,412,687	\$48,306,141	\$17,135,959	73.8%

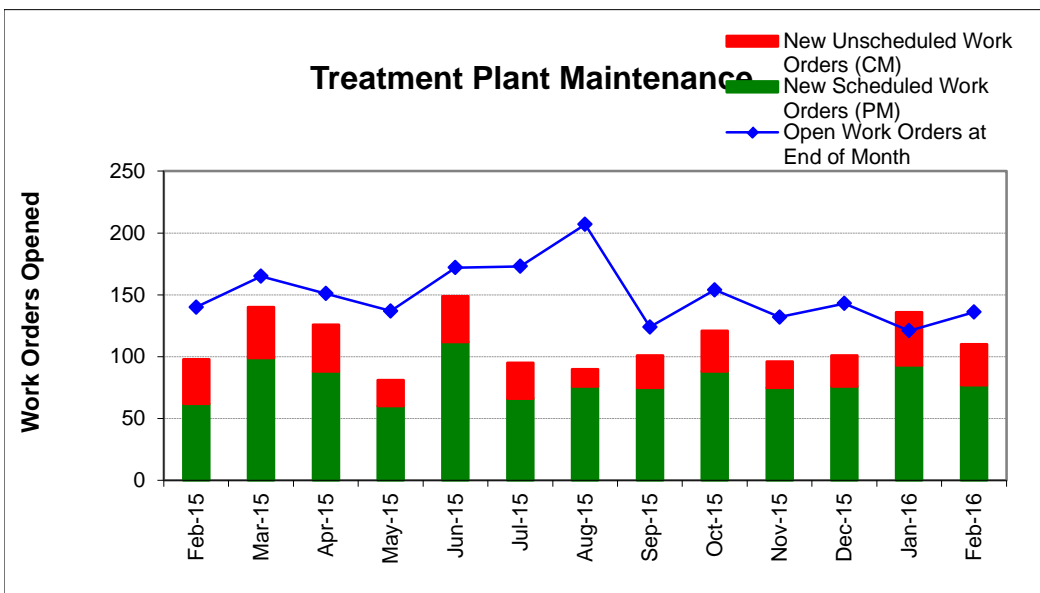
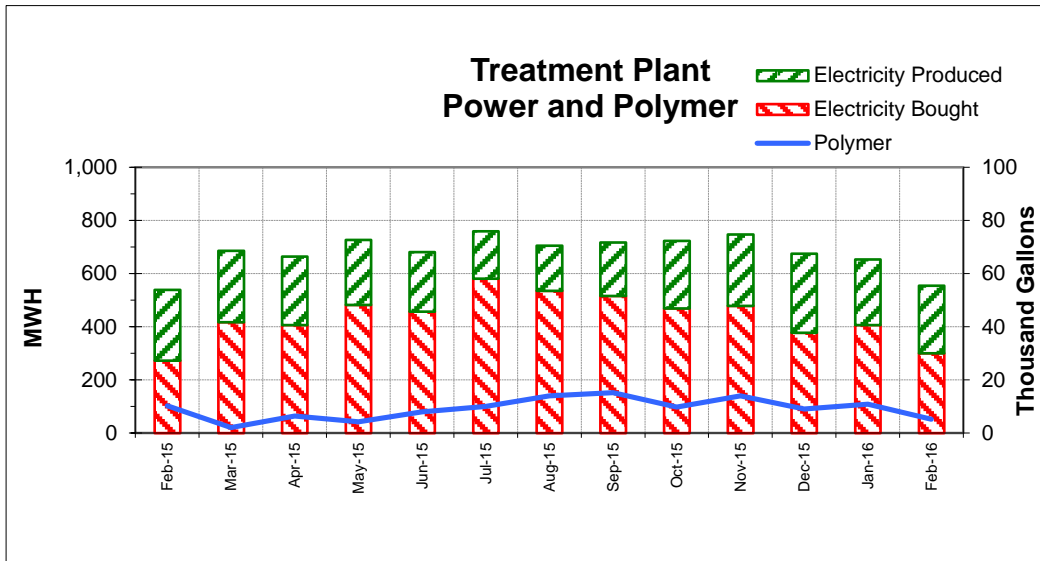
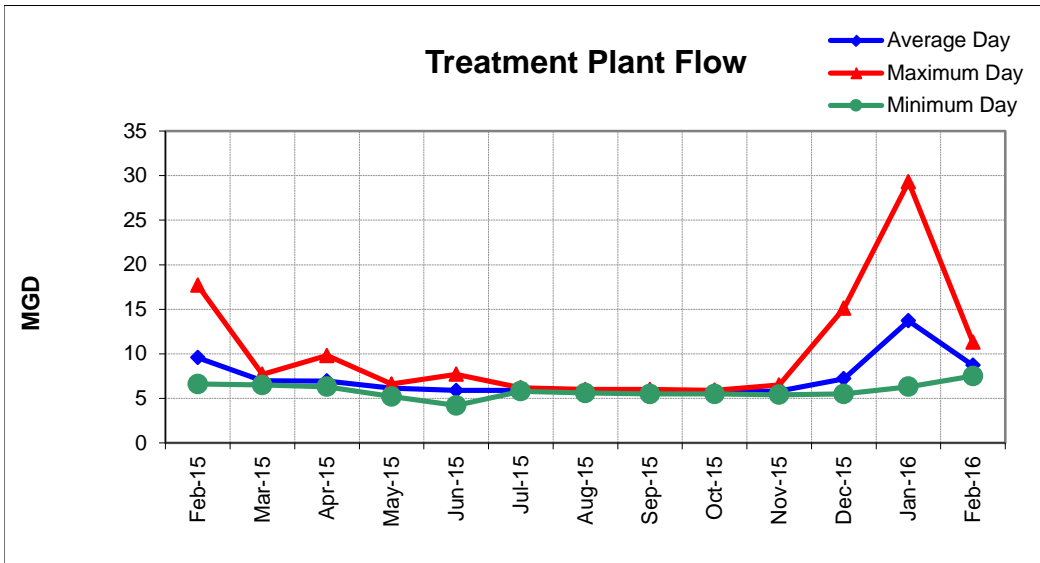
<i>Revenues</i>	FY 15/16 Budget	Collected to date	Encumbrances	Received to Date	Uncollected Revenue	Percent Collected
<u>Operating</u>						
Use of Money/Property	\$766,000	\$565,275		\$565,275	\$200,725	73.8%
Intergovernmental	\$0	\$7,481		7,481	(7,481)	N/A
Charges for Services	20,372,000	12,639,797		12,639,797	7,732,203	62.0%
Miscellaneous Revenues	143,000	59,812		59,812	83,188	41.8%
Donations/Contributions (Capital Labor)	-	440,980		440,980	(440,980) (5)	N/A
Total Operating:	\$21,281,000	\$13,713,346		\$13,713,346	\$7,567,654	64.4%
<u>Capital</u>						
Use of Money/Property	\$27,000	\$876		\$876	\$26,124	3.2%
Capacity Charges	2,998,000	2,750,874		2,750,874	247,126	91.8%
Intergovernmental	21,971,100	11,140,665		11,140,665	10,830,435	50.7%
Bond Proceeds	15,200,000	-		-	15,200,000	0.0%
Sale of Assets	-	134		134	(134)	N/A
Intrafund Transfers	12,248,000	10,898,000		10,898,000	1,350,000 (2)	89.0%
Total Capital:	\$52,444,100	\$24,790,550		\$24,790,550	\$27,653,550	47.3%
Grand Total Revenue:	\$73,725,100	\$38,503,896		\$38,503,896	\$35,221,204	52.2%

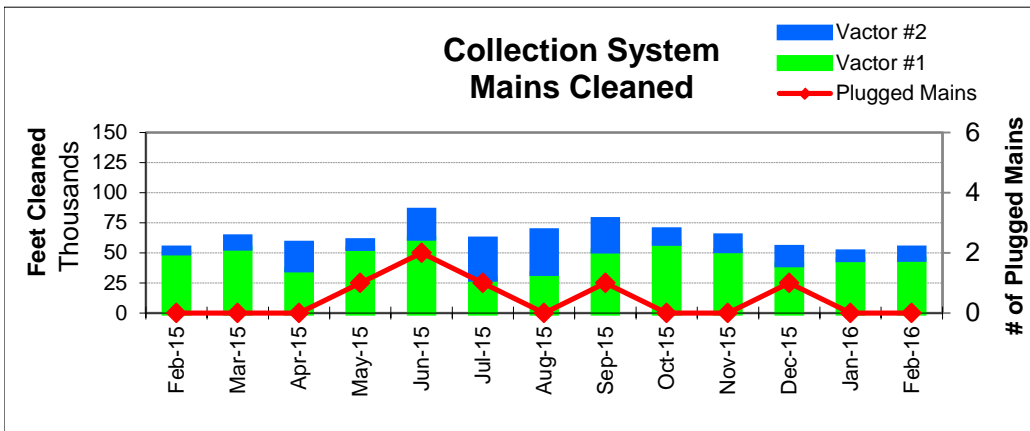
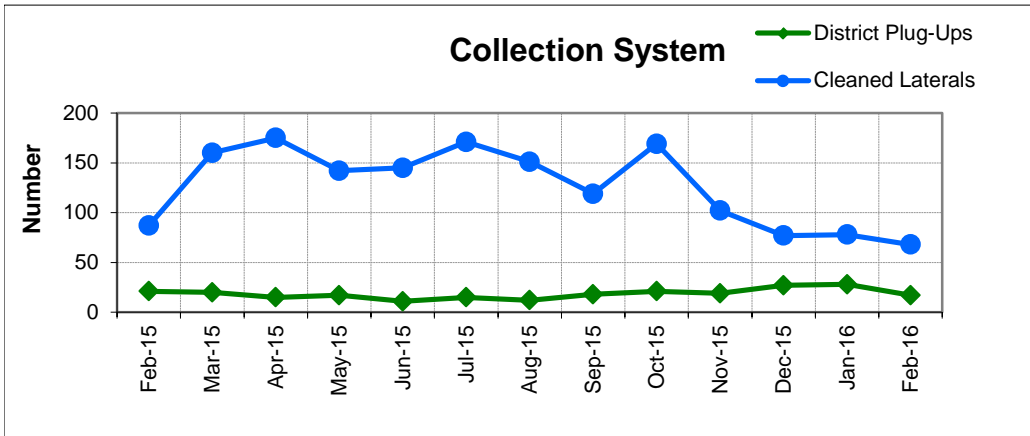
Cash on Hand as of 2/29/16 **\$9,820,452.28**

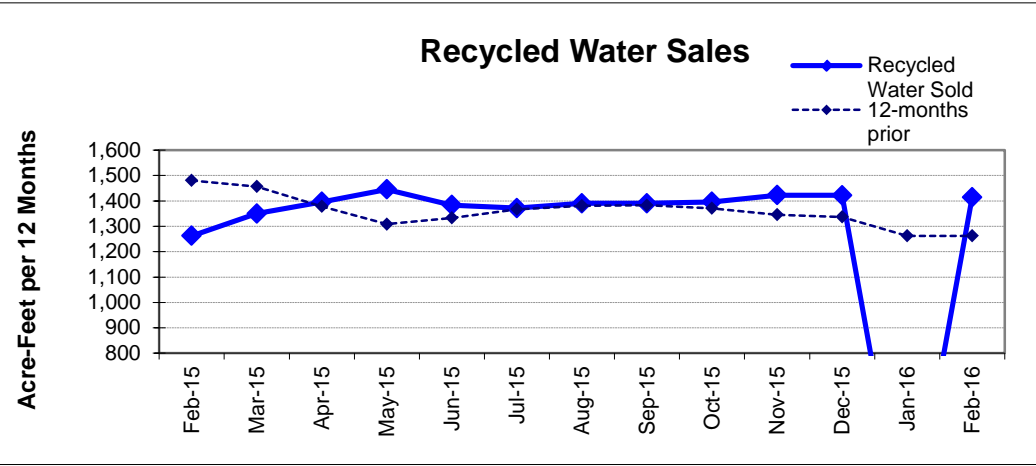
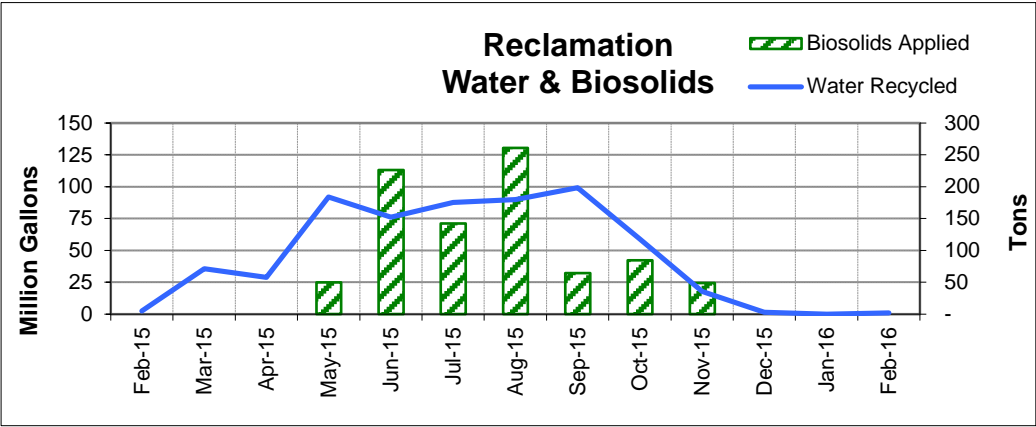
**excluding Debt Service restricted funds
2/29/16 -Effective Rate of Return = 0.70%

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 61.1%
4. See Capital Project Status report for details
5. In-house Labor for Capital Projects (Contra acct for Salaries)









FUND BALANCES - MONTHLY

CATEGORY	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
<i>(Thousand Dollars)</i>													
7800	15,513	14,844	16,120	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920	7,737	7,347
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	15,513	14,844	16,120	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920	7,737	7,347
Capital Improvement Projects	678	-	3,421	1,112	1,167	4,170	3,423	1,624	1,163	2,653	1,484	1,541	2,389
Debt Proceeds	6	-	6	6	6	-	-	-	-	-	-	-	-
Subtotal Capital	684	-	3,427	1,118	1,173	4,170	3,423	1,624	1,163	2,653	1,484	1,541	2,389
Total Discretionary Funds	16,197	14,844	19,547	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404	9,278	9,736
Expansion Fund (Restricted)	-	-	-	-	-	-	-	-	-	-	-	-	85
Total Restricted Funds	-	-	-	-	-	-	-	-	-	-	-	-	85
TOTAL ALL FUNDS	16,197	14,844	19,547	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404	9,278	9,821

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
<u>Phone Requests</u>													
Maps/Drawings	6	2	3	3	2	6	8	10	6	14	5	9	9
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	8	2	5	3	9	1	8	7	10	4	3	8	12
Development Questions	31	45	58	53	45	41	68	59	93	65	56	89	77
Miscellaneous	3	11	14	4	15	3	11	9	6	5	6	1	6
TOTAL	48	60	80	63	71	51	95	85	115	88	70	107	104
<u>Counter Requests</u>													
Maps/Drawings	2	2	-	1	3	1	2	2	1	2	1	3	3
Lateral Permits	5	9	9	7	13	6	9	9	15	10	14	15	11
Policy Questions	1	1		1	3	-	3	1	-	-	2	-	-
Development Questions	4	5	4	2	6	2	10	7	11	10	9	8	17
Miscellaneous	2	-	2	-	2	-	-	-	3	-	1	1	-
TOTAL	14	17	15	11	27	9	24	19	30	22	27	27	31
<u>Initial Request (Referrals)</u>	15	8	21	13	21	13	16	14	20	15	9	15	14
<u>Connection Permits Issued</u>													
Residential Permits	2	25	8	2	6	4	14	7	2	2	8	5	3
Commercial Permits	4	2	-	3	1	1	-	2	4	2	3	-	1
Industrial Permits	-		-			-			-		1	-	-
TOTAL PERMITS	6	27	8	5	7	5	14	9	6	4	12	5	4
Residential Units	2	25	8	5	7	5	14	7	2	2	8	12	4
Commercial Units	4	2	-	3	1	2	-	2	4	183	3	-	1
TOTAL UNITS	6	27	8	8	8	7	14	9	6	185	11	12	5
<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	4
Second Submittal	-	1	2	4	1	2	1	1	3	3	-	-	1
Third Submittal	4		2	-	-	1	2	2	1	2	2	1	2
<u>Building/Tenant Improvements</u>													
First Submittal	4	3	5	5	8	7	15	15	17	19	13	9	2
Second Submittal	4	1	1	3	1	5	1	11	9	4	8	8	1
Third Submittal	-	5	1	3	1	1	-	3	3	9	5	4	1
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	12	11	17	18	16	29	22	39	37	42	29	25	11

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	3	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	-	-	1	1	-	3	4	-	1	1	2	4	6
Inspections - Mains	3	1	2	-	-	-	-	-	-	-	-	-	6
Inspections - Manholes	7	5	-	-	3	-	10	-	2	13	-	10	91
Inspections - Laterals	4	17	14	8	13	23	20	21	8	9	14	10	15
Inspections - Cleanouts	13	40	36	22	44	32	30	30	12	51	43	17	48
Inspections - Review Video	-	1	-	3	-	5	1	-	1	2	1	4	2
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	1	2	1	-	-	-	-	1	-	-	-	1
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	27	65	55	35	60	63	65	51	25	76	60	48	169
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	-	-	11	-	9	-	-	15	33	-	-
Washdown Facility Inspections	-	-	1	-	-	-	-	-	11	-	-	-	-
General Customer Assistance	22	23	-	-	-	11	5	19	20	4	3	7	36
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	22	23	1	-	11	11	14	19	31	19	36	7	36
<u>SPECIAL PROJECTS</u>													
	-	9	21	20	22	21	21	21	18	5	6	-	3

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
<u>Outreach Activities</u>													
Plant Tours Conducted	2	2	-	2	1	1			1	2	1	3	2
Presentations Made	-	0	-	0					0	0	0	0	1
Total Outreach Activities	2	2	-	2	1	1	-	-	1	2	1	3	3
<u>Inspections Conducted</u>													
Food Service Facilities	29	28	31	20	2	1	-	7	1	-	10	24	30
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	29	28	31	20	2	1	-	7	1	-	10	24	30
<u>Compliance Issues</u>													
NOVs Issued	7	6	-	2	4	2	1	2	1	3	1	2	-
NOEs Issued	1	1	-	1	-	-	-	-	1	1	1	-	-
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	1
Total Compliance Issues	8	7	-	3	4	2	1	2	2	4	2	2	1
<u>Pollution Prevention</u>													
Clothes Washer Rebates	37	62	-	56	48	-	-	12	-	8	27	12	10
Toilet Retrofit Rebates	2	19	10	17	39	15	9	35	17	19	21	1	6
Pharmaceuticals Diverted (in lbs)	257	293	240	190	286	326	293	213	305	199	166	556	341

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
MONTHLY (MG)														
Water Sold														
Golf Courses	405.0	0.023	27.603	18.319	56.967	47.679	55.514	53.870	41.120	20.985	2.744	0.795	-	0.027
Cemeteries	5.0	0.012	0.182	0.526	0.546	0.728	0.786	0.740	0.854	0.448	0.082	-	-	0.145
Parks	18.5	-	0.124	0.344	0.647	0.842	1.191	1.132	0.858	0.415	0.086	-	-	-
Schools	21.0	0.035	0.972	1.044	1.455	2.035	2.020	2.042	1.827	1.119	0.382	0.088	-	0.040
Commerical	167.6	2.326	5.931	8.038	9.008	11.160	15.188	14.433	13.091	10.945	4.335	0.609	-	0.346
Vineyards	564.0	0.106	0.751	0.432	0.418	2.066	0.730	0.325	0.441	0.396	10.205	0.045	-	0.446
Trucked Water	175.0	0.076	0.184	0.065	0.131	0.200	0.306	0.269	0.333	0.473	0.039	0.020	-	0.010
Subtotal Sales	1,356.1	2.579	35.747	28.768	69.172	64.710	75.734	72.811	58.524	34.780	17.872	1.556	-	1.012
District Use														
Jameson	330.0	-	-	-	-	-	-	3.103	16.280	14.046	-	-	-	-
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	-	-	-	-
TOTAL DELIVERED	1,949.6	2.579	35.747	28.768	91.979	76.184	87.578	89.981	99.209	59.046	17.872	1.556	-	1.012
ANNUAL (AF)														
Water Sold														
Golf Courses	405.0	879	950	981	1,038	984	977	1,002	998	1,001	997	1,000		999
Cemeteries	5.0	14	14	15	15	15	15	15	16	15	15	15		15
Parks	18.5	12	13	14	13	13	13	14	16	17	17	17		17
Schools	21.0	39	42	43	42	40	39	39	39	40	40	40		40
Commerical	167.6	287	298	308	303	293	289	286	287	293	295	294		286
Vineyards	564.0	14	16	18	18	24	24	24	25	21	51	49		50
Trucked Water	175.0	17	17	17	16	15	15	11	9	9	8	7		6
Subtotal Sales	1,356.1	1,263	1,350	1,396	1,445	1,384	1,372	1,390	1,391	1,396	1,423	1,422	-	1,414
District Use														
Jameson	330.0	187	187	187	167	154	121	101	122	103	103	103		103
Somky	213.0	254	254	253	274	258	270	270	305	291	291	291		291
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-		-
Subtotal District	593.5	441	441	441	441	411	390	371	427	394	394	394	-	394
TOTAL DELIVERED	1,949.6	1,703	1,791	1,837	1,886	1,795	1,762	1,761	1,818	1,790	1,816	1,816	-	1,807

BIOSOLIDS HANDLING - MONTHLY

Site	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-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	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
<u>Plugups</u>													
Total Calls	53	61	44	48	30	47	47	63	57	53	69	78	58
Business Hours	32	41	24	32	14	33	29	37	35	29	40	40	42
After Hours	21	20	20	16	16	14	18	26	22	24	29	38	16
District's	21	20	15	17	11	15	12	18	21	19	27	28	17
Property Owner's	32	41	29	31	19	32	35	45	36	34	42	50	39
Plugged Main Lines		-		1	2	1		1			1		
Run Lateral w/Eel	87	160	175	142	145	171	151	119	169	102	77	78	68
<u>Cleaning (feet of sewer)</u>													
Vactor #1	49,974	53,929	36,091	53,851	62,212	28,193	32,946	51,755	57,917	51,959	40,292	44,407	44,811
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	9,199
Hydro													
Rodder													650
Total (feet)	53,971	63,243	58,084	60,142	85,367	61,590	68,264	77,787	69,064	64,183	54,617	50,736	54,660
<u>Cleaning Days</u>	18	21	22	20	27	20	22	24	25	22	23	18	21
Vactor #1	16	17	14	17	19	10	10	14	19	16	18	16	13
Vactor #2	2	4	8	3	8	10	12	10	6	6	5	2	7
Hydro													
Rodder													1
<u>Feet/day</u>	3,000	3,000	2,650	3,000	3,150	3,100	3,100	3,250	2,750	2,900	2,350	2,800	2,600
Vactor #1	3,100	3,150	2,600	3,150	3,250	2,800	3,300	3,700	3,050	3,250	2,250	2,800	3,450
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	1,300
Hydro													
Rodder													650
<u>Video Inspections</u>													
Mains (feet)	5,550	22,364	16,913	8,481	4,497	4,273	11,613	6,577	12,031	8,137	7,248	6,583	9,718
Laterals (each)	147	228	228	198	175	224	185	194	230	159	173	175	131
<u>Construction (each)</u>													
Cleanouts	11	15	20	9	12	14	12	10	7	10	23	22	20
Laterals	1	11	13	17	11	6	4	8		2	2	5	8
Mains	1								1			1	
Manholes								1	1				
Other	2												
<u>USA Markings</u>													
Regular (w/in 2 days)	169	233	232	224	291	306	256	267	251	218	178	222	281
Emergency (w/in 2 hours)	4	10	10	6	17	9	11	13	13	8	16	21	8

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

[illegible]

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16
<u>Scheduled</u>													
Old	64	63	81	71	67	92	90	127	50	74	66	78	39
New	62	99	88	60	112	66	76	75	88	75	76	93	77
Completed	63	81	98	64	87	68	39	152	64	83	64	132	61
New Balance	63	81	71	67	92	90	127	50	74	66	78	39	55
<u>Unscheduled</u>													
Old	68	77	84	80	70	80	83	80	74	80	66	65	82
New	36	41	38	21	37	29	14	26	33	21	25	43	33
Completed	27	34	42	31	27	26	17	32	27	35	26	26	34
New Balance	77	84	80	70	80	83	80	74	80	66	65	82	81
<u>Total Work Orders</u>													
Old	131	140	165	151	137	172	173	207	124	154	132	143	121
New	98	140	126	81	149	95	90	101	121	96	101	136	110
Completed	90	115	138	94	114	94	56	193	93	118	90	158	95
New Balance	140	165	151	137	172	173	207	124	154	132	143	121	136
<u>LAB ANALYSES</u>													
<u>Sample Type</u>													
Regulatory	362	540	475	372	359	367	382	342	346	408	408	315	281
Process Control	1,254	1,344	1,346	826	760	871	881	843	791	1,310	1,258	1,288	1,157
Special Request	5	47	-	32	26	132	333	554	174	299	235	60	17
Quality Control/Assurance	319	297	500	5	8	37	12	5	7	302	302	372	500
TOTAL	1,940	2,228	2,321	1,235	1,153	1,407	1,608	1,744	1,318	2,319	2,203	2,035	1,955

**Summary of NSD Capital Project Status
through 2/29/16**

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	45,874	87,613	52,013	47%
13703	Lateral Replacement/Rehab	69,200			69,200	6,339	44,044	18,817	64%
13704	Cleanouts Installation/Rehab	76,400			76,400	-	55,410	20,990	73%
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	11,187	1,597,535	567,878	73%
14703	Browns Valley Rd & First St	1,339,000	23,450		1,362,450	177,616	136,031	1,048,803	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	0	82,105	19,745	81%
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	-	286,017	509,283	36%
16701	Basin L - I&I Reduction Project 5	800,000			800,000	703,608	5,023	91,369	1%
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	-	459	59,541	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 2/29/16**

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	-	127,602	45,848	74%
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	4,774	7,509	3%
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	941,880	92,644	82%
<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	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	712,792	4,376,119	833,139	74%
14727	Split N/S Lines, surge protection	2,300,000	97,150		2,397,150	1,555,312	538,909	302,930	22%
15718	LCWD Recycled Water Pipeline - Construction	15,000,000	(94,850)		14,905,150	1,733,722	8,355,365	4,816,063	56%

OTHER

**Summary of NSD Capital Project Status
through 2/29/16**

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	-	119,207	101,493	54%
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	\$5,448,860	\$18,123,774	\$9,875,364	54%

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