



Napa Sanitation District

General Manager's Report

for

December, 2015

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NAPA SANITATION DISTRICT

General Manager's Report

Dedicated to Preserving the Napa River for Generations to Come

DATE: February 3, 2016

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for December, 2015

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO's, 0 Category 2 SSO's and 11 Category 3 SSO's
NPDES Permit (WWTP) Compliance:	Full compliance with all regulations
Air Quality Compliance:	Full compliance with all regulations
Recycled Water Compliance:	Full compliance with all regulations
Biosolids Compliance:	Full compliance with all regulations
Significant Comments:	None

FISCAL STATUS:

Period Covered:	July 1, 2015 – December 31, 2015
Percent Fiscal Year:	50.0%
Operating Expenditures to date:	68.0%
Historical Expenditures to date:	52.2%
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 53.7%.

PERSONNEL:

Significant events for the month of December, 2015 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	None
Recruitment Activities:	Continued recruitment for Reclamation Maintenance Worker
Injuries:	None

Summaries of Operational Highlights are on following pages.

COLLECTIONS:

Significant events for the month of December 2015 in Collection System Maintenance include:

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 11 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm 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 23 cleanouts and 2 cured in place liners. Additionally, the service response programs crew completed 114 work orders in support of the grease and odor control program and closed out 194 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 77 laterals, cleaned approximately 54,000 feet of main line and CCTV inspected approximately 7,200 feet of main line and lower laterals.

TREATMENT PLANT:

Significant events for the month of December 2015 in the Treatment Plant Department:

Plant Operations

- For December 2015, the plant's influent flow was 223.4 MG as compared to last year flow for December 2014 of 535.0 MG
- Total flow to the Napa River for December 2015 was 333.2 MG as compared to December 2014 flow of 601.6 MG.
- The production of recycle quality occurred for 3 days during December 2015 with a total flow of 4.0 MG.
- This December power consumption purchased from PG&E was 378 MWH in comparison to December 2014 purchase of 523 MWH.
- There was 2.41" rain fall for December 2015 as compared to 10.0" rain fall for December 2014.
- Pond 4 end of the month recorded level reading was 33.72" as compared to December 2014 of 59.76". Total remaining pond capacity for December 2015 was 53.1% as compared to December 2014 remaining capacity of 34.1%.

MAINTENANCE:

Significant events for the month of December, 2015

Cogeneration Performance

- Cogeneration unit ran 743 of 744 hours for the month – 99.87% uptime, averaging 371.99 Kw

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit.
- Replaced main water pump on Cogeneration engine
- Rebuild Pond 4 Polymer gear pumps
- Weld belt press cake conveyor drum pulleys
- Replaced power supply on lab Turbidity Meter
- Repaired underground 3 water leak at secondary clarifiers
- Installed new seal on Hex #1 hot water pump
- Completed annual backflow prevention testing
- Replaced flushing solenoid at septage receiving

Projects

- Replaced digester obstruction light
- Installed upgraded lubrication system for gas compressor
- Annual tree trimming completed

Standby Power

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

Influent Pumps

- Influent pumps had no down time for repairs.

Laboratory

On December 2nd, 2015 semiannual sampling was conducted for Influent (INF-001). The results reported conform to the established applicable QA/QC limits, except those indicated below.

- The Influent sample indicated 140 mg/L for sodium which is above the Napa Sanitation District Local Limit of 90 mg/L.
- Influent samples collected on December 1 indicated 229.6 mg/L for chloride which is above the Napa Sanitation District Local Limit of 225 mg/L.

On December 2nd, 2015 semiannual sampling was conducted for River Discharge Effluent (EFF-001). The results reported conform to the established applicable QA/QC limits, except those indicated below.

- Analysis of the Effluent (EFF-001) sample collected on December 2, 2015 indicated a Cyanide concentration 8.8 ug/L, which is above the Water Quality Objective of 2.9 ug/L and the NPDES average monthly limit of 6.4ug/L. As such the NSD laboratory collected a second Cyanide sample on December 15th, 2015 which indicated a Cyanide concentration of 3.8ug/L. These reported Cyanide results provide an average below the NPDES average monthly permit limit of 6.4ug/L monthly average and 15ug/L monthly maximum.
- Analysis of the Effluent (EFF-001) sample collected on December 2, 2015 indicated a Dibromochloromethane concentration 39 ug/L, which is above the Water Quality Objective of 34 ug/L. The Napa Sanitation District does not currently have a NPDES permit limit for this constituent.

Semiannual Groundwater (GRD-001) monitoring was conducted on December 2nd, 2015. All water sample results received indicated no unusual results.

On December 10th, 2015 monthly sampling was conducted for Recycled Effluent (E-1). The results reported conform to the established applicable QA/QC limits.

On December 10th, 2015 monthly sampling was conducted for Recycled Effluent (E-1).

On December 29th, 2015 the NSD Laboratory conducted the monthly consent order compliance monitoring of Advanced Pressure Technology (NSD's only Categorical Industry). Sample results from this sampling event indicated Boron (0.16 mg/L) concentration above NSD's Local Limit of 0.14mg/L. A notice of violation was issued to the Categorical Industrial User on January 27, 2016.

RECYCLING:

Significant events in the Recycling Department for December 2015 include:

- Recycled water delivery for the month of December 2015 (1.556 million gallons), as compared to December 2014 (1.714 million gallons) is lower due to precipitation and cooler weather. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff conducted annual reuse site inspections issuing no notices of noncompliance.
- Staff met with representatives of multiple properties in the Napa Airport Centre to initiate conversion of irrigation systems to recycled water.
- Staff continued encapsulating biosolids due to wet weather.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention Department for June 2015 include:

- In December 2015, the Napa Safe Medication Collection Program collected 166 pounds of unneeded medications. The total amount of unneeded medications collected since program inception in September 2010 is 15,214.1 pounds.
- Staff gave one (1) tour of the Soscol Water Recycling Facility.
- The District issued 21 Toilet Rebates @ \$100 each, for a total of \$2,100.
- In December 2015, the District issued 27 ESME Washer Rebate 2015 @\$12.50 for a total of \$337.50.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT

Significant events occurring in the Engineering Department for December 2015 include:

- Staff advertised the Basin "L" Pipeline Rehabilitation Project #5 for public bid.
- Staff began designing the Siphon Vault Hatch Replacement Project.
- Staff continued design of the Sarco Creek Pipeline Replacement Project.
- Staff issued the Notice of Completion for the ACP Main Lining Project #1.
- Staff issued the Notice of Completion for the Basin L Pipeline Rehabilitation Project #4.
- 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 29 sets of development plans and deemed 11 sets of plans complete. The approved plans consisted of one commercial unit, one commercial lateral, one residential lateral, five recycled water services and three tenant improvements.

Budget Status & Cash Summary - July 1, 2015 - December 31, 2015 (50.0% 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	\$3,975,588	\$2,130	\$3,977,718	\$5,076,482	43.9%
Services & Supplies	5,748,200	2,135,076	985,333	3,120,409	2,627,791	54.3%
Taxes	28,250	12,497	-	12,497	15,753	44.2%
Debt Service	4,779,200	3,706,551	-	3,706,551	1,072,649 (1)	77.6%
Intrafund Transfers	7,900,000	7,900,000	-	7,900,000	- (2)	100.0%
Total Operating:	\$27,509,850	\$17,729,712	\$987,462	\$18,717,175	\$8,792,675	(3) 68.0%
<u>Capital</u>						
Bldgs/Improvements & Equip	\$33,448,000	\$15,056,676	\$7,611,820	\$22,668,496	\$10,779,504 (4)	67.8%
Intrafund Transfers	4,348,000	2,729,953	-	2,729,953	1,618,047	62.8%
Total Capital :	\$37,796,000	\$17,786,628	\$7,611,820	\$25,398,449	\$12,397,551	67.2%
Grand Total Expenditures:	\$65,305,850	\$35,516,341	\$8,599,283	\$44,115,624	\$21,190,226	67.6%

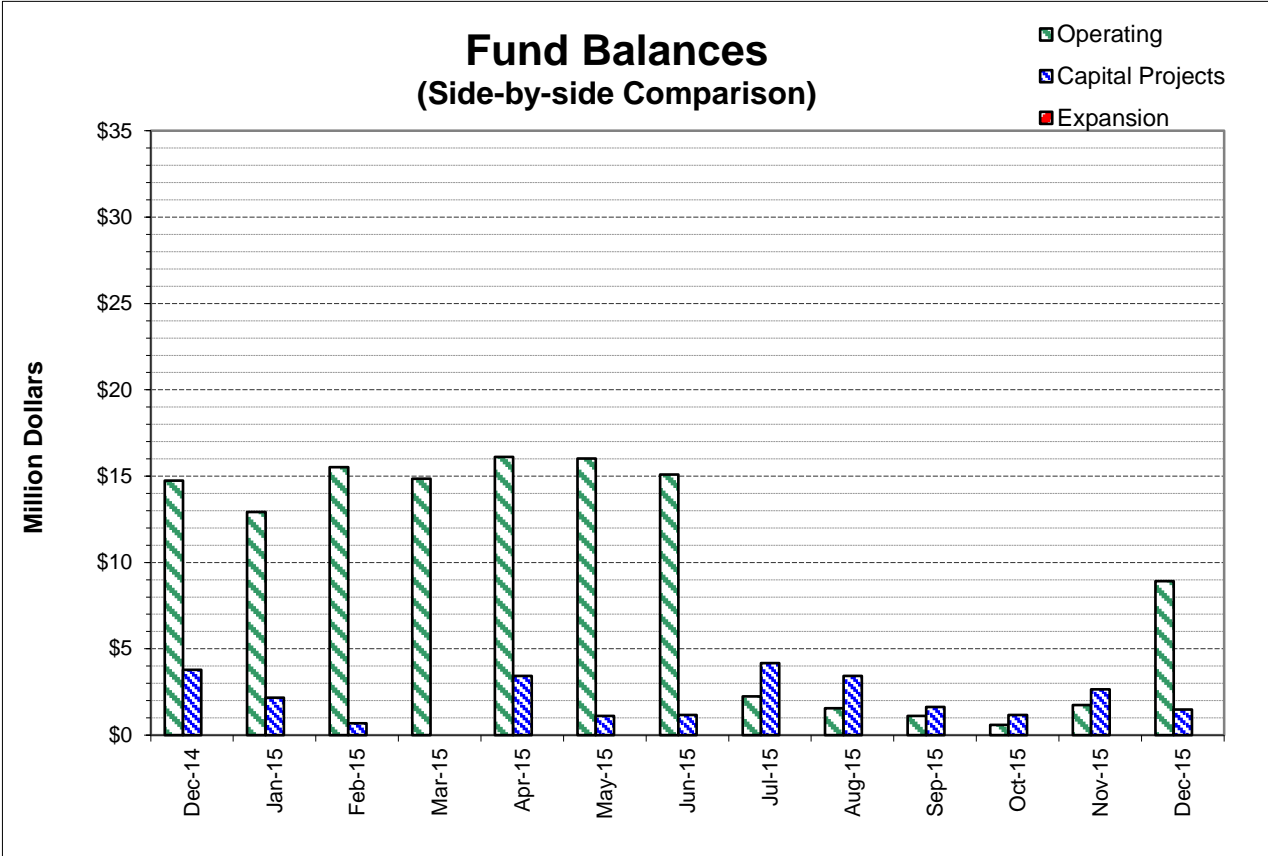
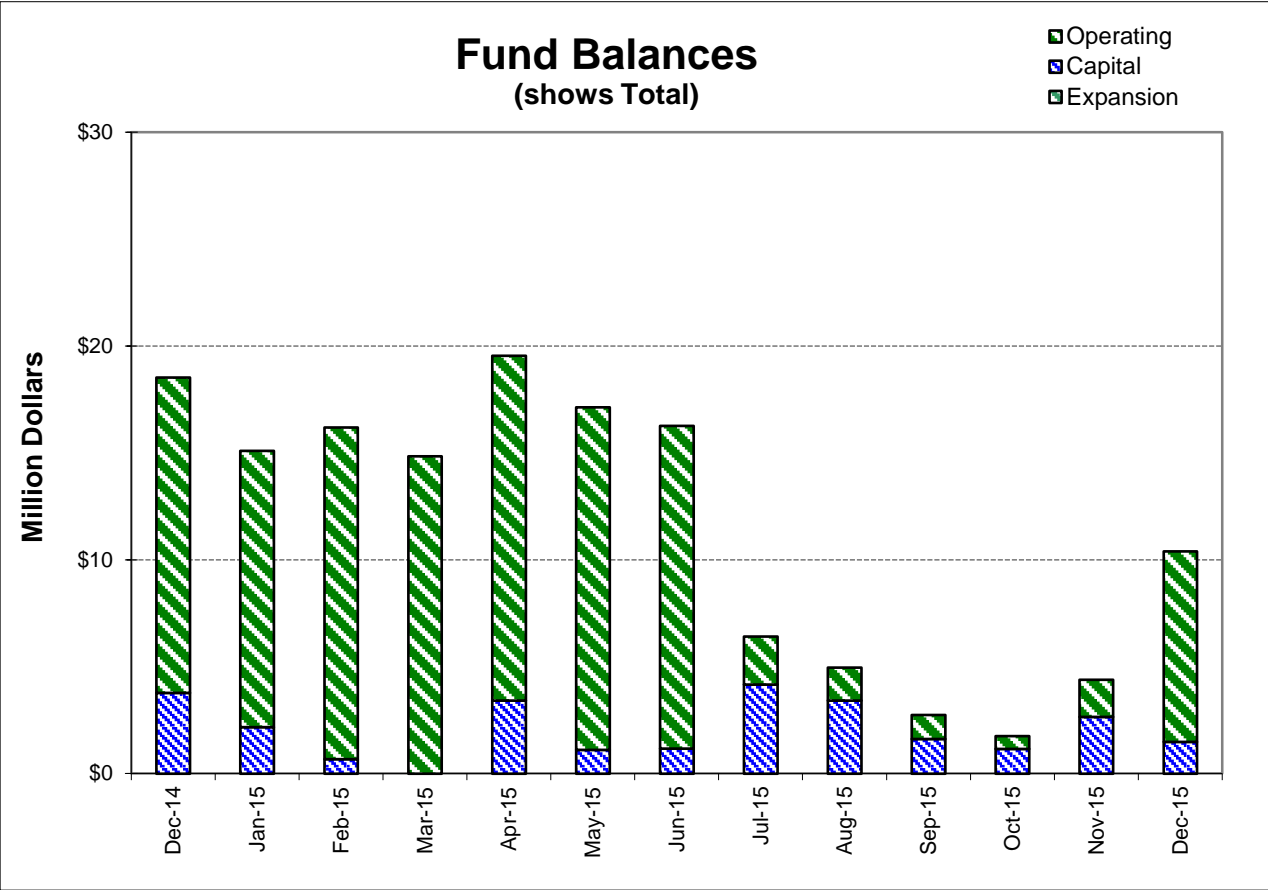
<i>Revenues</i>	FY 15/16 Budget	Collected to date	Encumbrances	Received to Date	Uncollected Revenue	Percent Collected
<u>Operating</u>						
Use of Money/Property	\$766,000	\$386,188		\$386,188	\$379,812	50.4%
Charges for Services	20,372,000	11,772,715		11,772,715	8,599,285	57.8%
Miscellaneous Revenues	143,000	33,333		33,333	109,667	23.3%
Donations/Contributions (Capital Labor)	-	309,528		309,528	(309,528) (5)	N/A
Total Operating:	\$21,281,000	\$12,501,764		\$12,501,764	\$8,779,236	58.7%
<u>Capital</u>						
Use of Money/Property	\$27,000	\$876		\$876	\$26,124	3.2%
Capacity Charges	2,998,000	2,403,842		2,403,842	594,158	80.2%
Intergovernmental	21,971,100	8,884,917		8,884,917	13,086,183	40.4%
Bond Proceeds	15,200,000	-		-	15,200,000	0.0%
Sale of Assets	-	134		134	(134)	N/A
Intrafund Transfers	12,248,000	10,629,953		10,629,953	1,618,047 (2)	86.8%
Total Capital:	\$52,444,100	\$21,919,721		\$21,919,721	\$30,524,379	41.8%
Grand Total Revenue:	\$73,725,100	\$34,421,485		\$34,421,485	\$39,303,615	46.7%

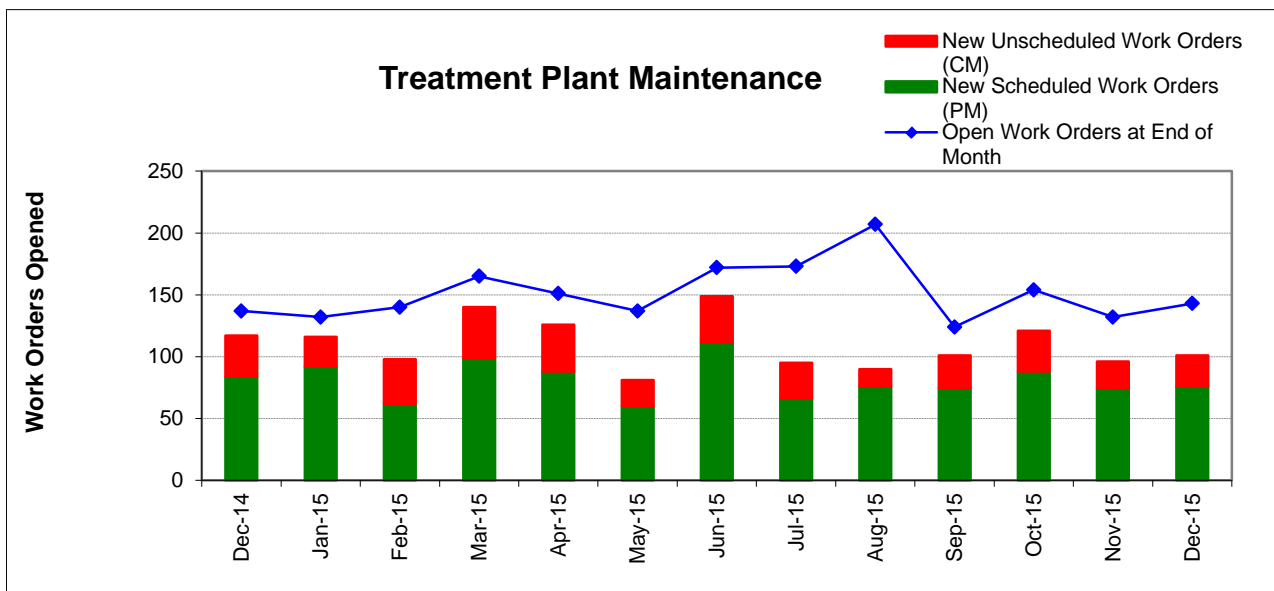
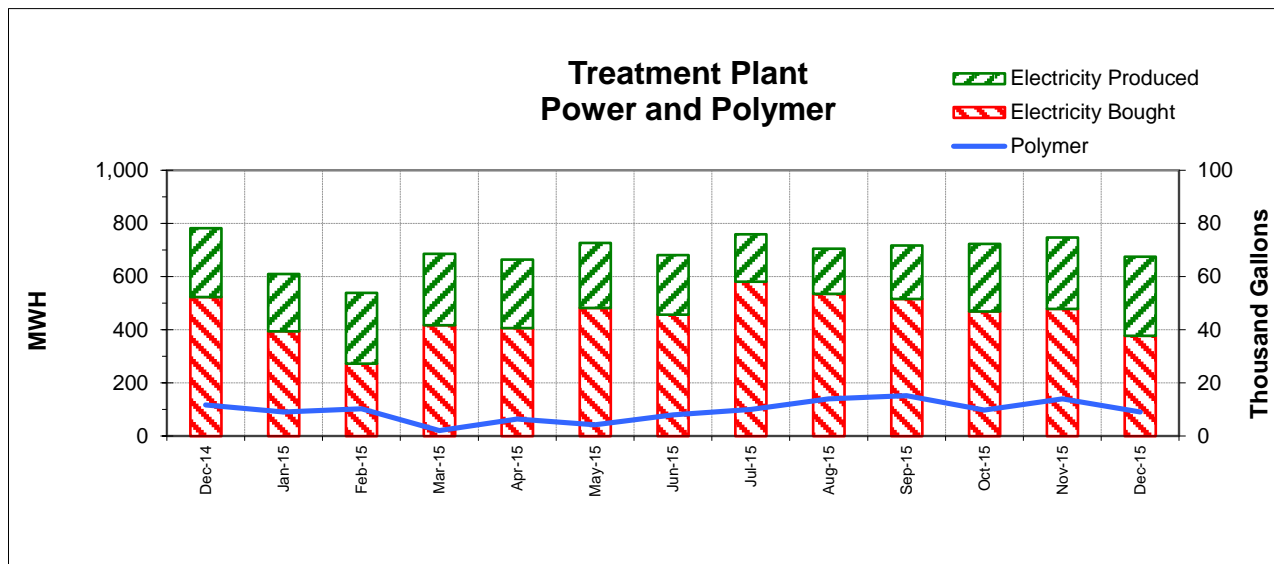
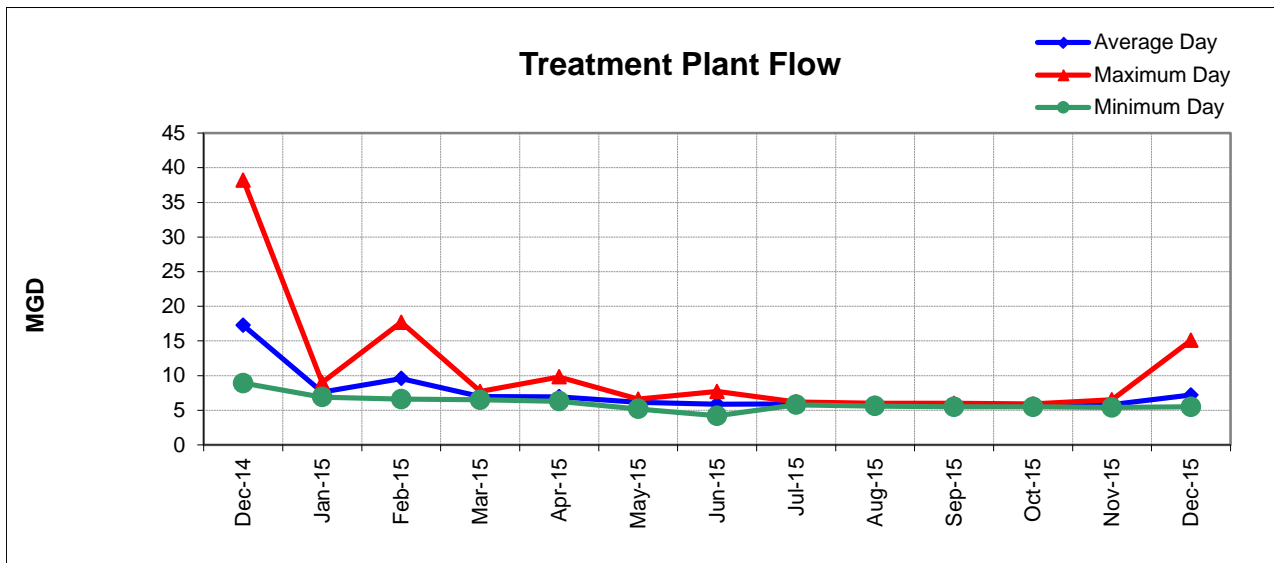
Cash on Hand as of 12/31/15 **\$10,403,750.99**

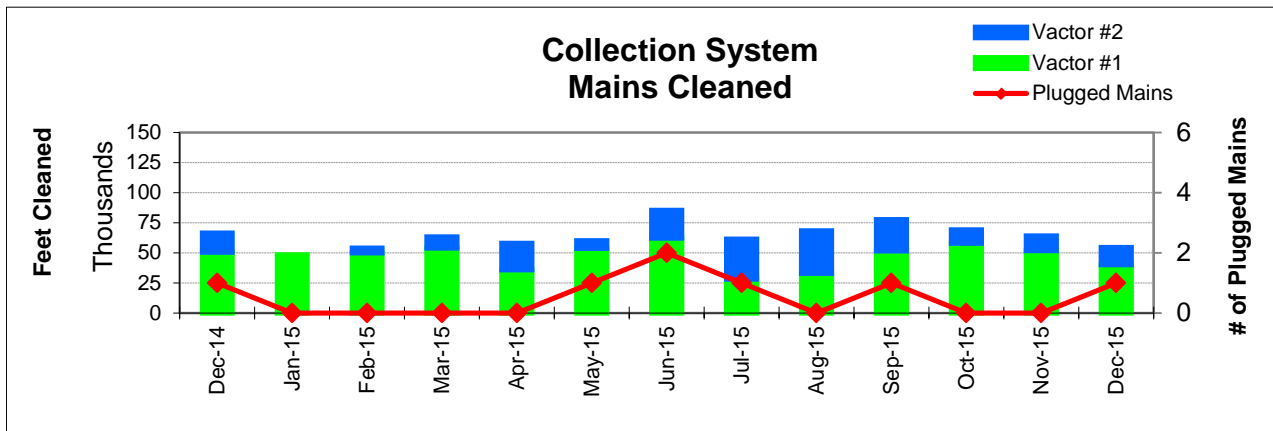
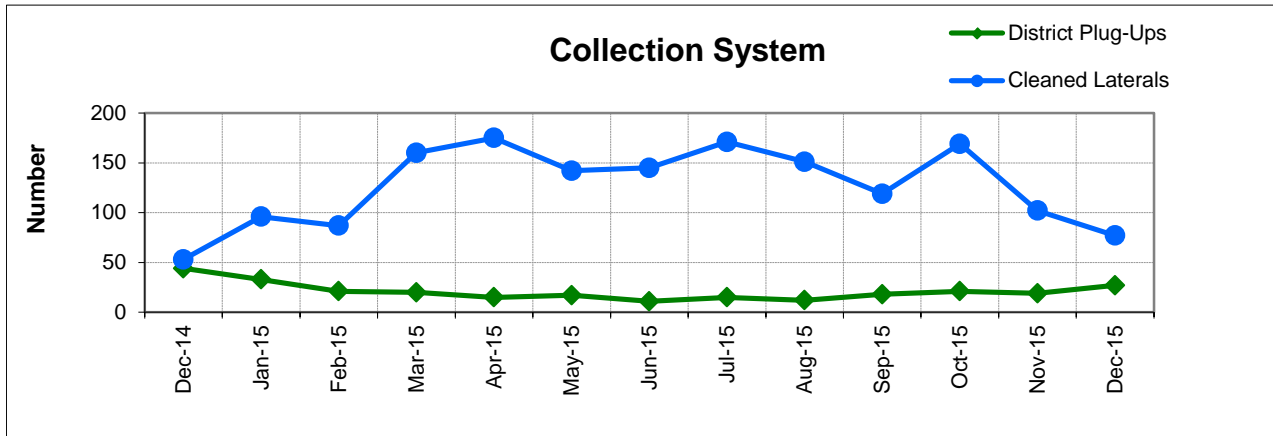
**excluding Debt Service restricted funds

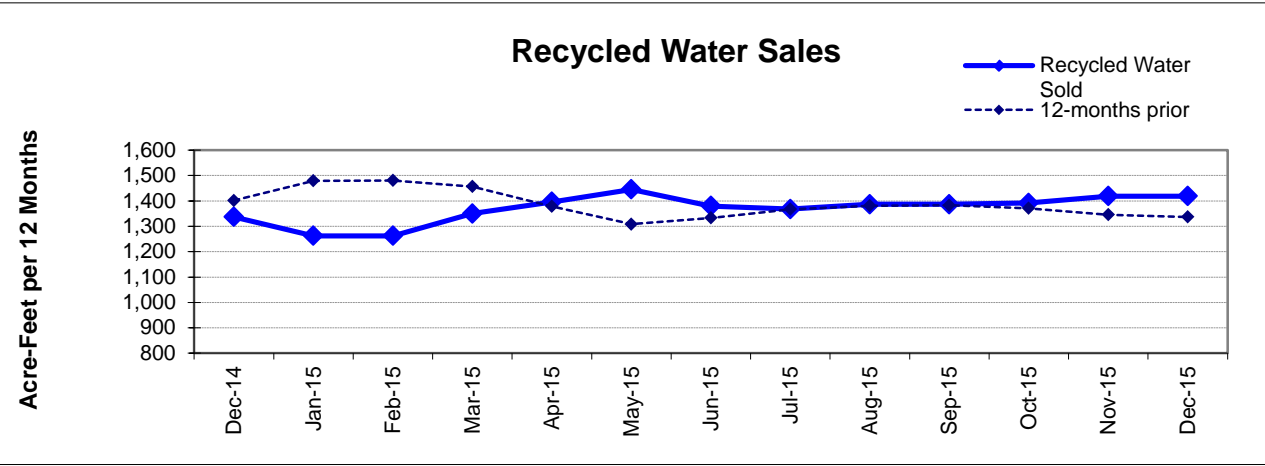
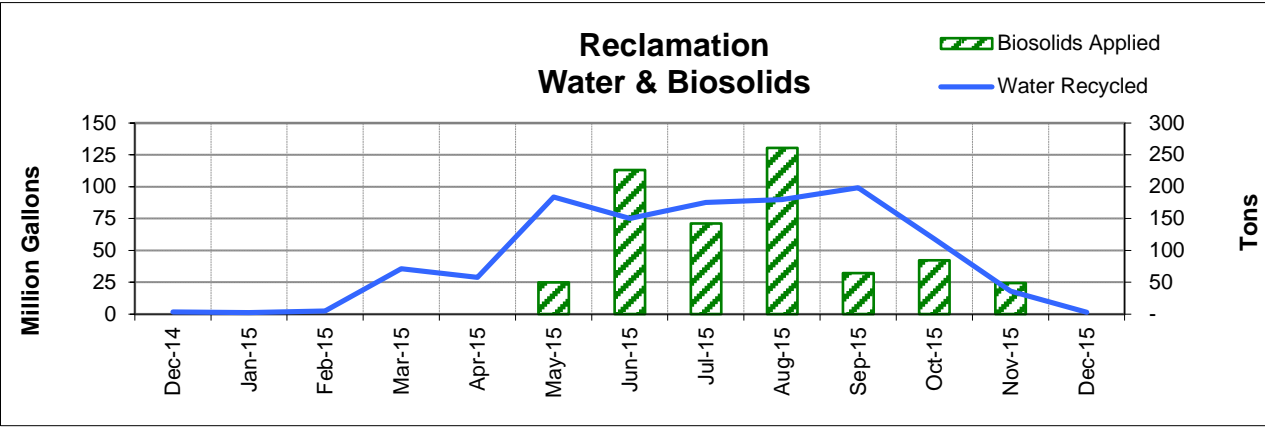
12/31/15 -Effective Rate of Return = 0.57%

1. Series 2009B's and 2012A's principal payments made in July
2. Processed intrafund transfer from Operating to Capital in July
3. Includes Debt Service and Intrafund Transfers; otherwise is 47.9%
4. See Capital Project Status report for details
5. In-house Labor for Capital Projects (Contra acct for Salaries)









FUND BALANCES - MONTHLY

CATEGORY	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
<i>(Thousand Dollars)</i>													
7800	14,738	12,932	15,513	14,844	16,120	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	14,738	12,932	15,513	14,844	16,120	16,018	15,096	2,241	1,548	1,119	598	1,739	8,920
Capital Improvement Projects	3,781	2,171	678	-	3,421	1,112	1,167	4,170	3,423	1,624	1,163	2,653	1,484
Debt Proceeds	6	6	6	-	6	6	6	-	-	-	-	-	-
Subtotal Capital	3,787	2,177	684	-	3,427	1,118	1,173	4,170	3,423	1,624	1,163	2,653	1,484
Total Discretionary Funds	18,525	15,109	16,197	14,844	19,547	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404
Expansion Fund (Restricted)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Restricted Funds	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL ALL FUNDS	18,525	15,109	16,197	14,844	19,547	17,136	16,269	6,411	4,971	2,743	1,761	4,392	10,404

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
<u>Phone Requests</u>													
Maps/Drawings	2	3	6	2	3	3	2	6	8	10	6	14	5
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	8	4	8	2	5	3	9	1	8	7	10	4	3
Development Questions	52	31	31	45	58	53	45	41	68	59	93	65	56
Miscellaneous	6	5	3	11	14	4	15	3	11	9	6	5	6
TOTAL	68	43	48	60	80	63	71	51	95	85	115	88	70
<u>Counter Requests</u>													
Maps/Drawings	4	-	2	2	-	1	3	1	2	2	1	2	1
Lateral Permits	6	9	5	9	9	7	13	6	9	9	15	10	14
Policy Questions	1	-	1	1		1	3	-	3	1	-	-	2
Development Questions	6	1	4	5	4	2	6	2	10	7	11	10	9
Miscellaneous	-	1	2	-	2	-	2	-	-	-	3	-	1
TOTAL	17	11	14	17	15	11	27	9	24	19	30	22	27
<u>Initial Request (Referrals)</u>	9	6	15	8	21	13	21	13	16	14	20	15	9
<u>Connection Permits Issued</u>													
Residential Permits	1	-	2	25	8	2	6	4	14	7	2	2	8
Commercial Permits	2	3	4	2	-	3	1	1	-	2	4	2	3
Industrial Permits	-	-	-	-	-			-			-		1
TOTAL PERMITS	3	3	6	27	8	5	7	5	14	9	6	4	12
Residential Units	1	-	2	25	8	5	7	5	14	7	2	2	8
Commercial Units	3	3	4	2	-	3	1	2	-	2	4	183	3
TOTAL UNITS	4	3	6	27	8	8	8	7	14	9	6	185	11
<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	2	-	-	1	6	3	5	3	3	7	4	5	1
Second Submittal	2	1	-	1	2	4	1	2	1	1	3	3	-
Third Submittal	2	2	4		2	-	-	1	2	2	1	2	2
<u>Building/Tenant Improvements</u>													
First Submittal	7	8	4	3	5	5	8	7	15	15	17	19	13
Second Submittal	4	4	4	1	1	3	1	5	1	11	9	4	8
Third Submittal	2	2	-	5	1	3	1	1	-	3	3	9	5
<u>Miscellaneous Plan Reviews</u>	-					-	-	10	-	-	-	-	-
TOTAL PLANS REVIEWED	19	17	12	11	17	18	16	29	22	39	37	42	29

INSPECTION WORKLOAD - MONTHLY

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

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
<u>Outreach Activities</u>													
Plant Tours Conducted	-	2	2	2	-	2	1	1			1	2	1
Presentations Made	-	-	-	0	-	0					0	0	0
Total Outreach Activities	-	2	2	2	-	2	1	1	-	-	1	2	1
<u>Inspections Conducted</u>													
Food Service Facilities	5	5	29	28	31	20	2	1	-	7	1	-	10
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Inspections	5	5	29	28	31	20	2	1	-	7	1	-	10
<u>Compliance Issues</u>													
NOVs Issued	1	1	7	6	-	2	4	2	1	2	1	3	1
NOEs Issued	1	2	1	1	-	1	-	-	-	-	1	1	1
Non-Compliant-FOG	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	2	3	8	7	-	3	4	2	1	2	2	4	2
<u>Pollution Prevention</u>													
Clothes Washer Rebates	69	-	37	62	-	56	48	-	-	12	-	8	27
Toilet Retrofit Rebates	38	15	2	19	10	17	39	15	9	35	17	19	21
Pharmaceuticals Diverted (in lbs)	233	358	257	293	240	190	286	326	293	213	305	199	166

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
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	0.056	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	0.813	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	0.549	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	0.297	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	1.714	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	1.714	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	950	883	879	950	981	1,038	984	977	1,002	998	1,001	997	1,000
Cemeteries	5.0	15	15	14	14	15	15	15	15	15	16	15	15	15
Parks	18.5	13	12	12	13	14	13	13	13	14	16	17	18	18
Schools	21.0	40	39	39	42	43	42	40	39	39	39	40	40	40
Commerical	167.6	288	283	287	298	308	303	289	285	282	283	289	291	290
Vineyards	564.0	14	14	14	16	18	18	24	24	24	25	21	51	49
Trucked Water	175.0	16	16	17	17	17	16	15	15	11	9	9	8	7
Subtotal Sales	1,356.1	1,337	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	187	167	154	121	101	122	103	103	103
Somky	213.0	254	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	441	412	391	371	428	394	394	394
TOTAL DELIVERED	1,949.6	1,778	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	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
<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	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
<u>Plugups</u>													
Total Calls	103	65	53	61	44	48	30	47	47	63	57	53	69
Business Hours	72	40	32	41	24	32	14	33	29	37	35	29	40
After Hours	31	25	21	20	20	16	16	14	18	26	22	24	29
District's	44	33	21	20	15	17	11	15	12	18	21	19	27
Property Owner's	59	32	32	41	29	31	19	32	35	45	36	34	42
Plugged Main Lines	1			-									
Run Lateral w/Eel	53	96	87	160	175	142	145	171	151	119	169	102	77
<u>Cleaning (feet of sewer)</u>													
Vactor #1	50,640	48,535	49,974	53,929	36,091	53,851	62,212	28,193	32,946	51,755	57,917	51,959	40,292
Vactor #2	15,832	-	3,997	9,314	21,993	6,291	23,155	33,397	35,318	26,032	11,147	12,224	14,325
Hydro	-												
Rodder	-												
Total (feet)	66,472	48,535	53,971	63,243	58,084	60,142	85,367	61,590	68,264	77,787	69,064	64,183	54,617
<u>Cleaning Days</u>	22	15	18	21	22	20	27	20	22	24	25	22	23
Vactor #1	17	15	16	17	14	17	19	10	10	14	19	16	18
Vactor #2	5	-	2	4	8	3	8	10	12	10	6	6	5
Hydro	-												
Rodder	-												
<u>Feet/day</u>	3,000	3,250	3,000	3,000	2,650	3,000	3,150	3,100	3,100	3,250	2,750	2,900	2,350
Vactor #1	3,000	3,250	3,100	3,150	2,600	3,150	3,250	2,800	3,300	3,700	3,050	3,250	2,250
Vactor #2	3,150		2,000	2,350	2,750	2,100	2,900	3,350	2,950	2,600	1,850	2,050	2,850
Hydro													
Rodder													
<u>Video Inspections</u>													
Mains (feet)	16,020	12,838	5,550	22,364	16,913	8,481	4,497	4,273	11,613	6,577	12,031	8,137	7,248
Laterals (each)	166	165	147	228	228	198	175	224	185	194	230	159	173
<u>Construction (each)</u>													
Cleanouts	12	17	11	15	20	9	12	14	12	10	7	10	23
Laterals	-	2	1	11	13	17	11	6	4	8		2	2
Mains	-	2	1									1	
Manholes	-									1	1		
Other	1		2										
<u>USA Markings</u>													
Regular (w/in 2 days)	117	225	169	233	232	224	291	306	256	267	251	218	178
Emergency (w/in 2 hours)	16	19	4	10	10	6	17	9	11	13	13	8	16

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

[illegible]

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
<u>Scheduled</u>													
Old	68	68	64	63	81	71	67	92	90	127	50	74	66
New	84	92	62	99	88	60	112	66	76	75	88	75	76
Completed	84	96	63	81	98	64	87	68	39	152	64	83	64
New Balance	68	64	63	81	71	67	92	90	127	50	74	66	78
<u>Unscheduled</u>													
Old	61	69	68	77	84	80	70	80	83	80	74	80	66
New	33	24	36	41	38	21	37	29	14	26	33	21	25
Completed	25	25	27	34	42	31	27	26	17	32	27	35	26
New Balance	69	68	77	84	80	70	80	83	80	74	80	66	65
<u>Total Work Orders</u>													
Old	129	137	131	140	165	151	137	172	173	207	124	154	132
New	117	116	98	140	126	81	149	95	90	101	121	96	101
Completed	109	122	90	115	138	94	114	94	56	193	93	118	90
New Balance	137	132	140	165	151	137	172	173	207	124	154	132	143
<u>LAB ANALYSES</u>													
<u>Sample Type</u>													
Regulatory	353	305	362	540	475	372	359	367	382	342	346	408	408
Process Control	1,524	1,323	1,254	1,344	1,346	826	760	871	881	843	791	1,310	1,258
Special Request	34	3	5	47	-	32	26	132	333	554	174	299	235
Quality Control/Assurance	315	563	319	297	500	5	8	37	12	5	7	302	302
TOTAL	2,226	2,194	1,940	2,228	2,321	1,235	1,153	1,407	1,608	1,744	1,318	2,319	2,203

**Summary of NSD Capital Project Status
through 12/31/15**

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	-	10,181	74,719	12%
13702	Manhole Raising/Rehab	185,500			185,500	19,674	56,342	109,485	30%
13703	Lateral Replacement/Rehab	69,200			69,200	6,339	25,436	37,425	37%
13704	Cleanouts Installation/Rehab	76,400			76,400	-	41,449	34,951	54%
13705	I&I Reduction Program	130,000		17,000	147,000	141,855	113	5,032	0%
14701	Basin L - I&I Reduction Project 4	3,600,000	(1,423,400)		2,176,600	381,827	1,589,408	205,365	73%
14703	Browns Valley Rd & First St	1,339,000	23,450		1,362,450	203,736	107,886	1,050,828	8%
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	66,093	5,281	65%
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	2,278	791,922	0%
16702	Collection System Master Plan Amendment	250,000			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	-	-	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	12,388	-	2,612	-
<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	15,811	447,315	4,874	96%
16708	Algae to Digester with Thermal Study	60,000			60,000	-	92	59,908	0%
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 12/31/15**

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	15,452	2,491	54,857	3%
14718	Maint - Stationary Gas Detector Replacement	50,000	123,450		173,450	14,975	111,705	46,770	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	-	42,042	84,758	33%
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		49,850	-	2,058	47,792	4%
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	116,105	934,618	93,378	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	-	260	44,740	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	1,307,548	3,522,962	1,091,540	59%
14727	Split N/S Lines, surge protection	2,300,000	97,150		2,397,150	1,725,124	367,698	304,328	15%
15718	LCWD Recycled Water Pipeline - Construction	15,000,000	(94,850)		14,905,150	3,526,505	6,555,804	4,822,841	44%

OTHER

**Summary of NSD Capital Project Status
through 12/31/15**

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	-	94,071	126,629	43%
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	\$7,611,820	\$15,056,676	\$10,779,502	45%

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