



Napa Sanitation District

General Manager's Report

for

January, 2017

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NAPA SANITATION DISTRICT

General Manager's Report

Dedicated to Preserving the Napa River for Generations to Come

DATE: March 1, 2017

FROM: Timothy B. Healy, General Manager

SUBJECT: General Manager's Report for January, 2017

REGULATORY COMPLIANCE:

Collection System Compliance:	7 Category 1 SSO's, 0 Category 2 SSO's, and 9 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, 2016 – January 31, 2017
Percent Fiscal Year:	58.3%
Operating Expenditures to date:	52.5%
Historical Expenditures to date:	64.3%
Significant Comments:	Historically, the intrafund transfers from Operating to Capital were done on a quarterly basis. Last fiscal year, the transfer was done all at once, which increased the Operating Expenditures significantly. This fiscal year, only 25% of the transfer has been done due to the low cashflow in the Operating fund at the beginning of the year. If the 2 nd quarter's transfer was done, the Operating Expenditures would have been 60.1%, closer to the Historical Expenditures to date.

PERSONNEL:

Significant events for the month of January, 2017 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	Seth Rossi promoted to Collection System Supervisor, Nick Becker appointed to permanent Collection System Manager
Recruitment Activities:	New employees started - Jill Hughes, Associate Engineer, and two Collection System Workers-in-Training, Kevin Webster and Ben Cullison.
Injuries:	None

Summaries of Operational Highlights are on following pages.

COLLECTIONS:

Significant events for the month of January 2017 in Collection System Maintenance include:

- The District had 7 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 9 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 category 1 overflows occurred during four rain events on January 8, 10 18 and 22 due to high water levels in our collection system. These overflows totaled 314, 589 gallons (295,000 came from the storm on the 10th). However, using vacuum and bypass equipment, crews prevented 1,107,730 gallons from overflowing during these events.
- The repair crew installed 2 cleanouts, repaired/rehabilitated 2 sewer laterals and repaired 2 cleanouts. Additionally, the service response programs crew completed 114 work orders in support of the grease and odor control program, responded to 81 customer requests for service (28 were NSD problem) and closed out 173 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 113 laterals, cleaned approximately 50,112 feet of main line and CCTV inspected approximately 5,981 feet of main line and 16 laterals.

TREATMENT PLANT:

Significant events for the month of January 2017 in the Treatment Plant Department:

Plant Operations

- For January 2017, the plant's influent flow was 693.3 MG as compared to last year flow for January 2016 of 424.7 MG
- Total flow to the Napa River for January 2017 was 529.2 MG as compared to January 2016 flow of 457.8 MG.
- The production of recycle quality did not occur during January 2017.
- This January power consumption purchased from PG&E was 709 MWH in comparison to January 2016 purchase of 584 MWH.
- There was 10.19" rain fall for January 2017 as compared to 6.00" rain fall for January 2016.
- Pond 4 end of the month recorded level reading was 81.84" as compared to January 2016 of 39.51". Total remaining pond capacity for January 2017 was 10.1% as compared to January 2016 remaining capacity of 47.8%.

Maintenance:

Significant events for the month of January, 2017:

Cogeneration Performance

- Cogeneration Unit was removed for complete over haul

Process Maintenance

- Load test batteries at Switch Gear "M" and SB-1
- Rebuild gas compressor condensate drain
- Serviced standby generators at all three lift stations
- Completed annual flow meter calibration
- Rebuilt auto drain on Cogen gas filter
- Replaced flow meter transmitter at River Park lift station
- West Hypo tank/replaced Milltronics controller
- Replaced isolation valve and cleaned screen on 3 water filter
- Rebuild DAFT air retention tank inlet solenoid

Projects

- Install sleeves on Cogen electrical conductors
- Install Huber Strain Press electrical connections
- Received elevators annual certification

Standby Power

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

Influent Pumps

- Pumps are all operational

Laboratory:

Monthly River Discharge Effluent (EFF-001) monitoring was conducted on January 12th, 2017. Sample concentrations were within the District NPDES Permit limit and water quality objectives.

Monthly Influent (INF-001) monitoring was conducted on January 12th, 2017. Sample concentrations were within local limits.

Semiannual & Quarterly Biosolid (BIO-001) monitoring was conducted between January 31st and February 1st, 2017 during normal operational conditions. All biosolid sample results

indicated no unusual results and were within EPA 503 Table 1 & Table 3 ceiling concentration limits.

RECYCLING:

Significant events in the Recycling Department for January 2017 include:

- Recycled water delivered for the month of January 2017 (1.733 million gallons), cannot be compared to January 2016 due to meter reading not being performed. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff hosted approximately twenty five American Canyon High School students who participated in an ongoing restoration project of Sheehy Creek at the Jameson Reuse Site along with the Napa County Resource Conservation District.
- Staff continued encapsulating biosolids on the Jameson Reuse Site due to wet weather.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention Department for January 2017 include:

- The Napa Safe Medication Collection Program collected 155 pounds of unneeded medications. The total amount of unneeded medications collected since program inception in September 2010 is 19,358 pounds.
- The District issued 5 Toilet Rebates at \$100 each for a total of \$500.
- The District issued 28 ESME Washer Rebates at \$12.50 each for a total of \$350.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Department for January 2017 include:

- Consultant continued design of the Browns Valley Trunk Project.
- Consultant continued developing a hydraulic model for the District's recycled water distribution system.
- Consultant continued design work for the MST Recycled Water Pipeline Expansion Project.
- Consultant continued design for the Soscol/Sousa Trunk Rehabilitation Project.
- Consultant continued work on the Asset Management Plan.
- Staff completed design and issued Notice Inviting Bids for the 2017 Collection System Rehabilitation Project.
- Staff continued design of the Homewood/Westwood I/I Reduction Project.
- Consultant continued preliminary design work for the Headworks Equipment Rehabilitation Project.
- Staff continued design of the LED Pole/Arm Fixture Replacement project.

- The contractors continued construction of the following projects:
 - a. Aeration Basin Diffusers, Instrumentation and Controls Project
 - b. Stationary Gas Detectors – Phase II Project
 - c. Manhole Adjustment Project, Phase V
- The contractors completed construction of the following projects:
 - a. Recycled Water Valve on Kirkland Line Project
- The Board accepted the follow projects for O&M:
 - a. Sarco Creek Pipeline Replacement Project
 - b. Manhole Adjustment Project, Phase IV
 - c. Manhole Rehabilitation – Nipak Project.
- Staff reviewed 31 sets of development plans and deemed 4 sets of plans complete. The approved plans consisted of one residential lateral, one public lateral, one tenant improvement, and one recycled water lateral.

Budget Status & Cash Summary - July 1, 2016 - January 31, 2017 (58.3% of the year)

<i>Expenditures</i>	FY 16/17 Budget	Expenditures to date	Encumbrances	Committed to date	Remaining Balance	Percent Committed
<u>Operating</u>						
Salaries & Benefits	\$9,371,370	\$4,547,463	\$973	\$4,548,436	\$4,822,934	48.5%
Services & Supplies	6,057,110	2,844,294	977,677	3,821,972	2,235,138	63.1%
Taxes	28,250	14,115	-	14,115	14,135	50.0%
Debt Service	4,773,050	4,676,340	-	4,676,340	96,710 (1)	98.0%
Intrafund Transfers	8,900,000	2,225,000	-	2,225,000	6,675,000 (2)	25.0%
Total Operating:	\$29,129,780	\$14,307,213	\$978,650	\$15,285,864	\$13,843,916 (3)	52.5%
<u>Capital</u>						
Bldgs/Improvements & Equip	\$19,283,950	\$5,723,990	\$2,684,576	\$8,408,566	\$10,875,384 (4)	43.6%
Intrafund Transfers	5,512,000	3,677,258	-	3,677,258	1,834,742	66.7%
Total Capital :	\$24,795,950	\$9,401,248	\$2,684,576	\$12,085,824	\$12,710,126	48.7%
Grand Total Expenditures:	\$53,925,730	\$23,708,462	\$3,663,226	\$27,371,688	\$26,554,042	50.8%

<i>Revenues</i>	FY 16/17 Budget	Collected to date	Encumbrances	Received to Date	Uncollected Revenue	Percent Collected
<u>Operating</u>						
Use of Money/Property	\$794,000	\$559,052		\$559,052	\$234,948	70.4%
Intergovernmental	\$0	\$11,471		11,471	(11,471)	N/A
Charges for Services	23,828,500	13,807,158		13,807,158	10,021,342	57.9%
Miscellaneous Revenues	69,000	40,752		40,752	28,248	59.1%
Donations/Contributions (Capital Labor)	-	361,540		361,540	(361,540) (5)	N/A
Total Operating:	\$24,691,500	\$14,779,973		\$14,779,973	\$9,911,527	59.9%
<u>Capital</u>						
Use of Money/Property	\$34,000	\$1,327		\$1,327	\$32,673	3.9%
Capacity Charges	5,512,000	3,203,835		3,203,835	2,308,165	58.1%
Intergovernmental	2,250,000	1,361,107		1,361,107	888,893	60.5%
Bond Proceeds	4,550,000	-		-	4,550,000	0.0%
Sale of Assets	-	18,700		18,700	(18,700)	N/A
Miscellaneous Revenues	-	-		-	-	N/A
Intrafund Transfers	14,412,000	5,902,258		5,902,258	8,509,742 (2)	41.0%
Total Capital:	\$26,758,000	\$10,487,227		\$10,487,227	\$16,270,773	39.2%
Grand Total Revenue:	\$51,449,500	\$25,267,200		\$25,267,200	\$26,182,300	49.1%

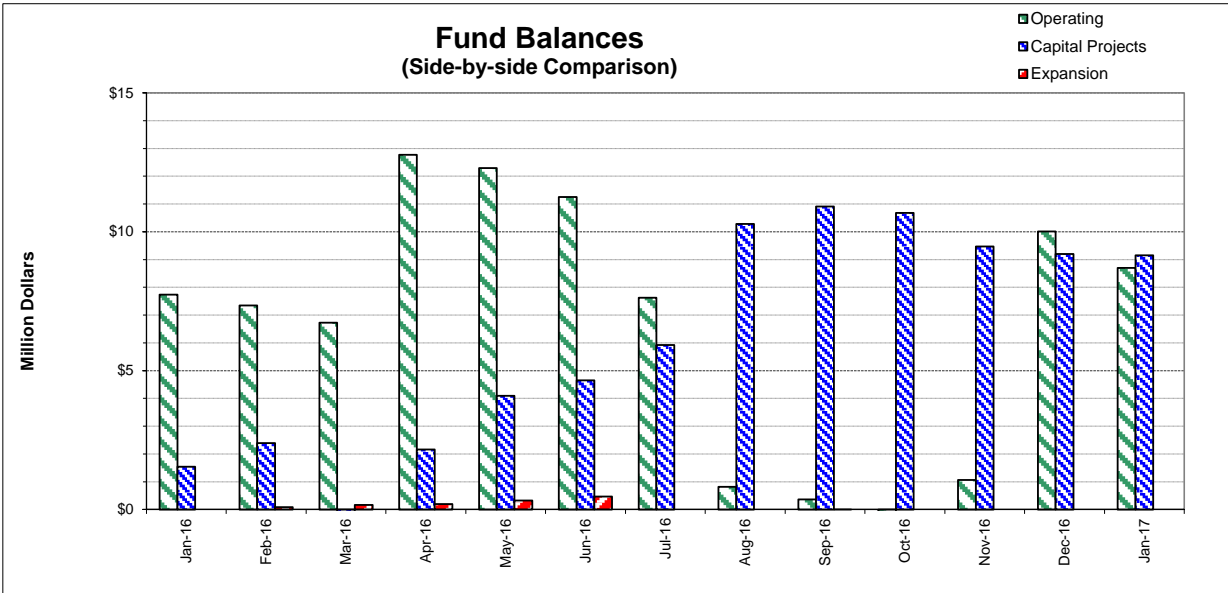
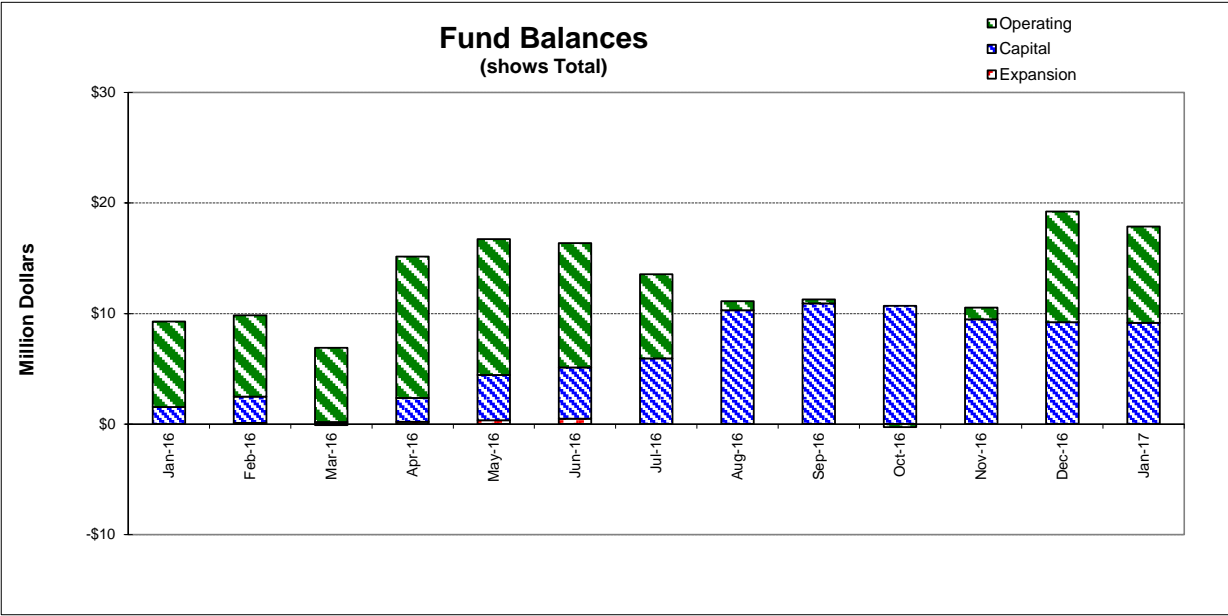
Cash on Hand as of 1/31/17 **\$17,855,063.04**

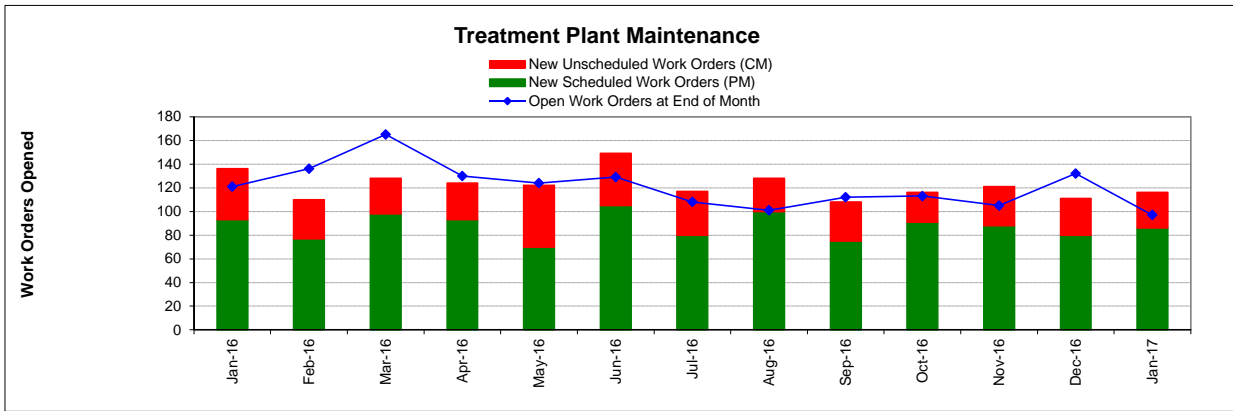
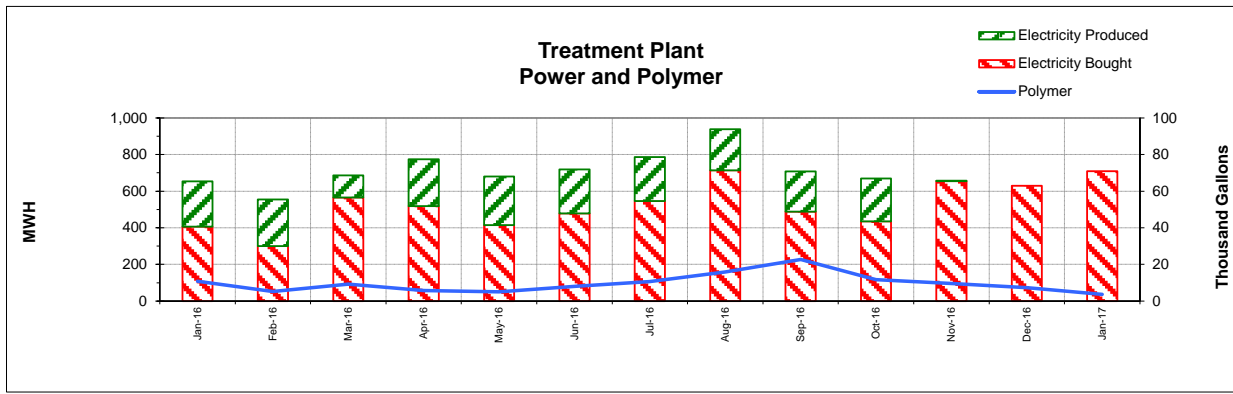
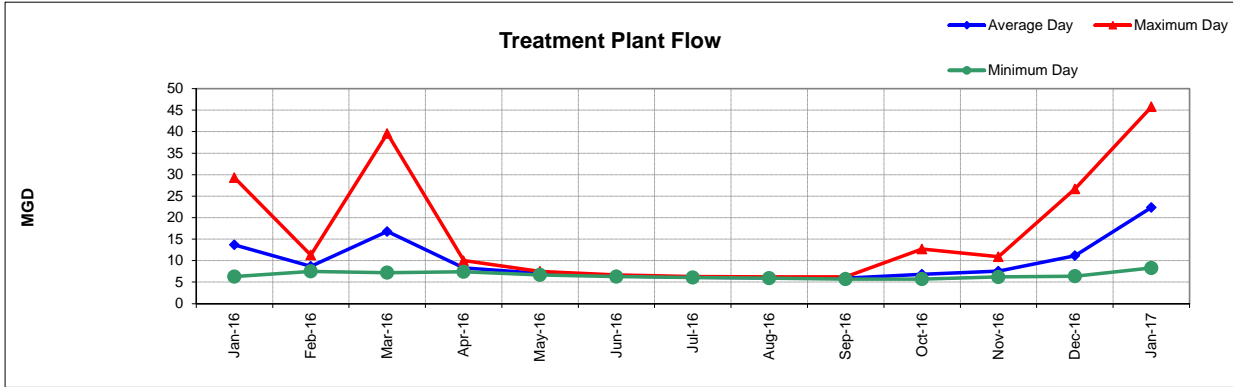
**excluding Debt Service restricted funds
12/31/16 - Effective Rate of Return = 0.64%

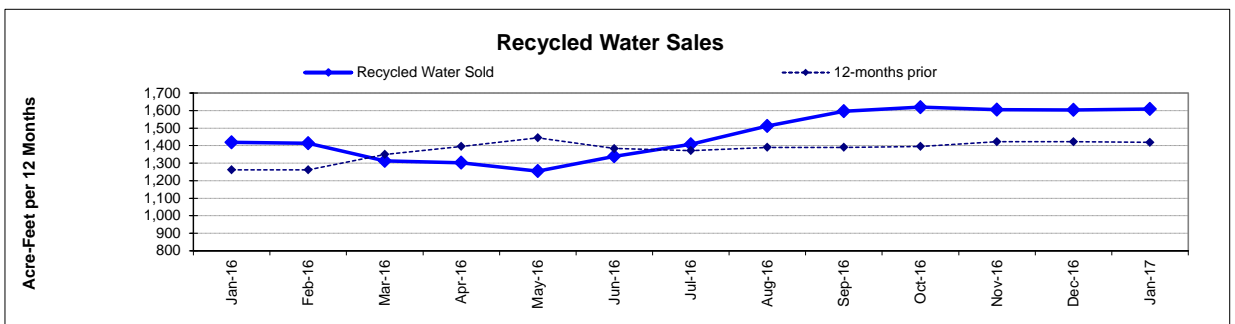
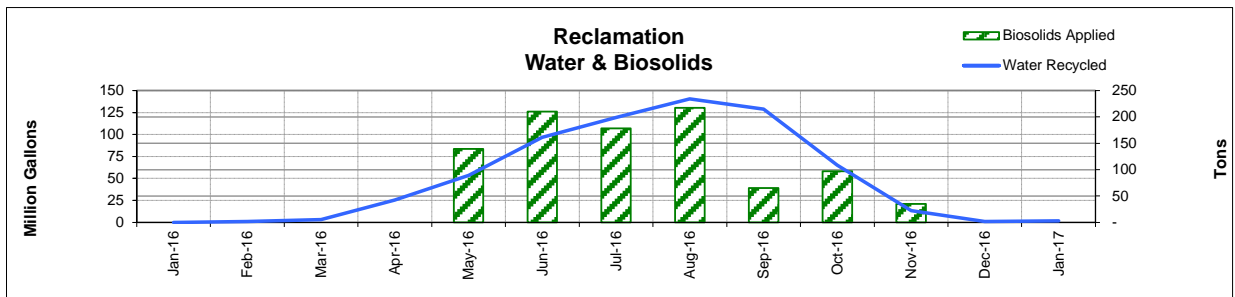
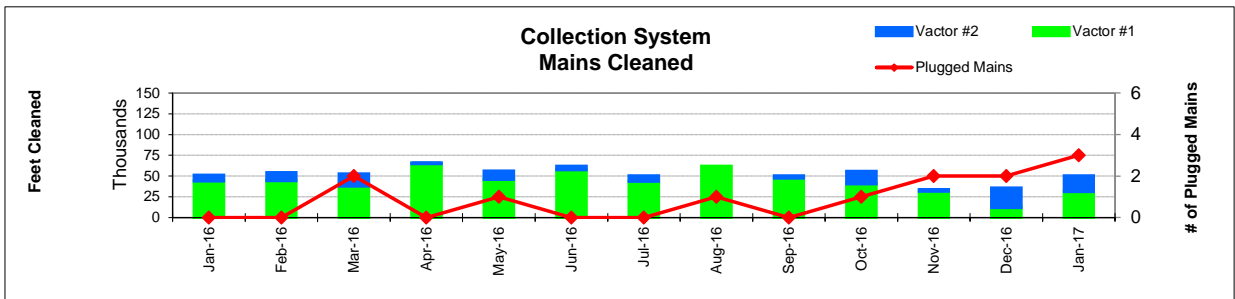
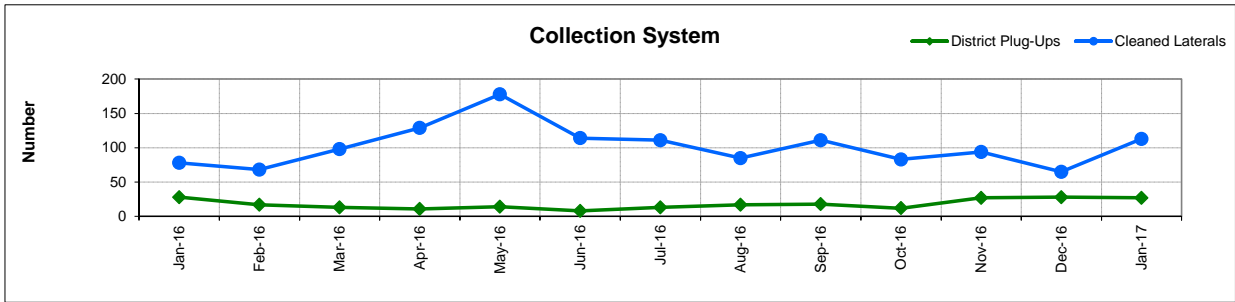
Note: January 2017 Effective rate of return not available at the time of this report.

1. Series 2009B's and 2012A's principal/interest payments made in Aug & Feb
2. Processed 25% of intrafund transfer budget from Operating to Capital in July
3. Includes Debt Service and Intrafund Transfers; otherwise is 54.2%
4. See Capital Project Status report for details
5. In-house Labor for Capital Projects (Contra acct for Salaries)

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FUND BALANCES - MONTHLY

CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<i>(Thousand Dollars)</i>													
7800	7,737	7,347	6,726	12,775	12,297	11,251	7,626	819	362	(293)	1,062	10,012	8,701
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	7,737	7,347	6,726	12,775	12,297	11,251	7,626	819	362	(293)	1,062	10,012	8,701
Capital Improvement Projects	1,541	2,389	(96)	2,163	4,096	4,649	5,924	10,284	10,912	10,685	9,470	9,204	9,154
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	1,541	2,389	(96)	2,163	4,096	4,649	5,924	10,284	10,912	10,685	9,470	9,204	9,154
Total Discretionary Funds	9,278	9,736	6,630	14,938	16,393	15,900	13,550	11,103	11,274	10,392	10,532	19,216	17,855
Expansion Fund (Restricted)	-	85	168	200	326	467	-	-	1	-	-	-	-
Total Restricted Funds	-	85	168	200	326	467	-	-	1	-	-	-	-
TOTAL ALL FUNDS	9,278	9,821	6,798	15,138	16,719	16,367	13,550	11,103	11,275	10,392	10,532	19,216	17,855

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<u>Phone Requests</u>													
Maps/Drawings	9	9	9	8	9	5	5	9	5	8	7	4	9
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	8	12	9	6	9	10	7	11	7	3	8	6	6
Development Questions	89	77	66	105	58	75	99	126	56	61	48	47	45
Miscellaneous	1	6	8	7	14	14	14	15	7	4	6	4	8
TOTAL	107	104	92	126	90	104	125	161	75	76	69	61	68
<u>Counter Requests</u>													
Maps/Drawings	3	3	2	5	-	-	3	7	5	1	-	1	2
Lateral Permits	15	11	8	10	13	12	9	19	19	13	14	7	11
Policy Questions	-	-	1	2	-	2	-	2	2	2	1	-	3
Development Questions	8	17	12	23	2	10	17	30	17	10	8	4	9
Miscellaneous	1	-	-	2	-	3	5	6	4	2	1	2	3
TOTAL	27	31	23	42	15	27	34	64	47	28	24	14	28
<u>Initial Request (Referrals)</u>	15	14	16	11	17	14	12	22	10	7	21	23	17
<u>Connection Permits Issued</u>													
Residential Permits	5	3	4	2	6	9	-	1	1	21	-	-	-
Commercial Permits	-	1	2	1	3	2	1	1	2	6	4	3	-
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	5	4	6	3	9	11	1	2	3	27	4	3	-
Residential Units	12	4	11	2	6	9	-	1	1	21	-	-	-
Commercial Units	-	1	2	1	3	2	1	1	146	14	4	3	-
TOTAL UNITS	12	5	13	3	9	11	1	2	147	35	4	3	-
<u>Annexations</u>													
Submitted	-	-	-	-	-	1	-	-	1	-	1	-	-
Acreage	-	-	-	-	-	1.50	-	-	1.10	-	27.11	-	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	3	4	3	8	1	5	1	8	4	3	5	2	10
Second Submittal	-	1	4	3	-	1	1	6	4	3	-	2	2
Third Submittal	1	2	1	1	1	1	3	1	7	-	1	3	2
<u>Building/Tenant Improvements</u>													
First Submittal	9	2	16	21	12	10	3	12	4	8	5	4	10
Second Submittal	8	1	7	8	7	4	6	4	9	3	4	4	5
Third Submittal	4	1	3	1	6	3	5	1	5	3	8	6	2
<u>Miscellaneous Plan Reviews</u>	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL PLANS REVIEWED	25	11	34	42	27	24	19	32	33	20	23	21	32

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<u>CONSTRUCTION</u>													
Locating Sewers	3	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	4	6	6	8	9	7	3	9	-	5	6	5	9
Inspections - Mains	-	6	3	3	2	-	2	1	-	-	10	1	-
Inspections - Manholes	10	91	49	15	8	13	3	-	-	81	27	89	46
Inspections - Laterals	10	15	16	45	29	22	20	20	9	7	37	11	24
Inspections - Cleanouts	17	48	41	42	60	51	28	25	4	29	71	20	42
Inspections - Review Video	4	2	1	4	-	4	-	3	-	2	2	4	1
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	1	3	-	-	2	-	1	-	-	-	-	2
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	48	169	119	117	108	99	56	59	13	124	153	130	124
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	10	-	9	9	10	9	-	9	-	18	100
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	19	-	-
General Customer Assistance	7	36	37	16	10	1	4	4	9	13	-	6	11
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	7	36	47	16	19	10	14	13	9	22	19	24	111
<u>SPECIAL PROJECTS</u>													
	-	3	-	15	21	22	31	22	7	9	32	2	0

POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<u>Outreach Activities</u>													
Plant Tours Conducted	3	2	1	4	4	2	0	0	0	7	8	0	1
Presentations Made	0	1	1	5	2	0	0	1	0	0	3	0	1
Total Outreach Activities	3	3	2	9	6	2	-	1	-	7	11	-	2
<u>Inspections Conducted</u>													
Food Service Facilities	24	30	31	19	12	-	-	-	1	-	-	37	21
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	1	1	-	-	-	-	-	-	-	-	-
Total Inspections	24	30	32	20	12	-	-	-	1	-	-	37	21
<u>Compliance Issues</u>													
NOVs Issued	2	-	1	2	-	2	1	-	-	-	-	2	-
NOEs Issued	-	-	-	1	2	-	-	-	1	-	1	2	-
Non-Compliant-FOG	-	1	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	2	1	1	3	2	2	1	-	1	-	1	4	-
<u>Pollution Prevention</u>													
Clothes Washer Rebates	12	10	-	18	14	45	-	-	-	-	20	26	28
Toilet Retrofit Rebates	1	6	22	19	6	10	-	11	4	12	8	12	5
Pharmaceuticals Diverted (in lbs)	556	341	341	322	240	243	362	303	386	391	291	63	155

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
MONTHLY (MG)														
Water Sold														
Golf Courses	405.0	-	0.027	0.070	13.197	37.578	57.273	62.709	63.227	49.600	25.538	6.308	0.002	0.245
Cemeteries	5.0	-	0.145	0.000	0.015	0.447	0.709	0.931	0.754	1.225	0.328	0.010	0.000	-
Parks	18.5	-	-	-	0.036	0.725	1.078	1.299	1.172	0.741	0.205	-	-	-
Schools	21.0	-	0.040	0.075	0.360	1.528	2.675	2.181	2.120	1.497	0.630	0.014	0.006	0.005
Commerical	167.6	-	0.346	2.430	6.404	11.038	17.061	14.878	17.259	15.070	9.563	3.457	0.490	1.191
Vineyards	564.0	-	0.446	0.365	5.268	2.034	13.413	15.693	21.832	17.609	6.065	3.528	0.302	0.194
Trucked Water	175.0	-	0.010	0.018	0.098	0.064	0.135	0.232	0.458	0.135	0.124	0.008	0.188	0.009
Subtotal Sales	1,356.1	-	1.012	2.958	25.378	53.413	92.343	97.923	106.821	85.877	42.454	13.326	0.988	1.644
District Use														
Jameson	330.0	-	-	0.084	-	-	1.481	5.414	12.456	20.935	12.608	-	-	0.089
Somky	213.0	-	-	-	-	-	2.950	16.037	21.318	22.108	10.000	0.001	-	-
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	-	-	0.084	-	-	4.431	21.451	33.774	43.043	22.609	0.001	-	0.089
TOTAL DELIVERED	1,949.6	-	1.012	3.042	25.378	53.413	96.773	119.374	140.594	128.920	65.062	13.327	0.988	1.733
ANNUAL (AF)														
Water Sold														
Golf Courses	405.0	999	999	915	899	840	869	891	920	946	960	971	968	969
Cemeteries	5.0	15	15	15	13	13	13	13	13	15	14	14	14	14
Parks	18.5	17	17	17	16	16	17	17	17	17	16	16	16	16
Schools	21.0	40	40	37	35	35	37	38	38	37	36	34	34	34
Commerical	167.6	292	286	275	270	276	294	293	302	308	304	301	301	304
Vineyards	564.0	49	50	49	64	68	103	149	215	268	285	265	266	266
Trucked Water	175.0	6	6	6	6	6	5	5	6	5	4	4	5	5
Subtotal Sales	1,356.1	1,419	1,414	1,313	1,303	1,254	1,339	1,407	1,512	1,596	1,619	1,605	1,603	1,609
District Use														
Jameson	330.0	103	103	103	103	103	107	124	153	167	163	163	163	163
Somky	213.0	291	291	291	291	221	195	208	230	223	222	222	222	222
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	394	394	394	394	324	302	332	383	390	385	385	385	385
TOTAL DELIVERED	1,949.6	1,812	1,807	1,707	1,697	1,578	1,641	1,739	1,894	1,986	2,004	1,990	1,988	1,994

BIOSOLIDS HANDLING - MONTHLY

Site	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<u>Land Applied by NSD</u>													
Somky													
Airport/Fagundes													
Jameson Canyon	-	-	-	-	139	210	178	217	65	97	35	-	-
Subtotal by NSD	-	-	-	-	139	210	178	217	65	97	35	-	-
<u>Land Applied by Contractor</u>													
Somky													
Airport/Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Land Applied	-	-	-	-	139	210	178	217	65	97	35	-	-
Off Site (Contractor)													
Total (tons)	-	-	-	-	139	210	178	217	65	97	35	-	-

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<u>Plugups</u>													
Total Calls	78	58	43	41	45	33	48	52	48	56	68	84	75
Business Hours	40	42	22	31	30	22	27	35	35	34	38	54	49
After Hours	38	16	21	10	15	11	21	17	13	22	30	30	26
District's	28	17	13	11	14	8	13	17	18	12	27	28	27
Property Owner's	50	39	30	30	31	25	35	35	30	44	41	56	48
Plugged Main Lines			2		1			1		1	2	2	3
Run Lateral w/Eel	78	68	98	129	178	114	111	85	111	83	94	65	113
<u>Cleaning (feet of sewer)</u>													
Vactor #1	44,407	44,811	38,201	65,231	46,352	57,690	43,988	61,502	47,869	40,711	32,046	12,220	31,694
Vactor #2	6,329	9,199	14,073	325	9,687	4,002	6,288		2,184	14,730	1,512	23,277	18,222
Hydro													
Rodder		650											
Total (feet)	50,736	54,660	52,274	65,556	56,039	61,692	50,277	61,502	50,053	55,442	33,557	35,497	49,915
<u>Cleaning Days</u>													
Vactor #1	16	13	14	18	17	17	15	19	15	13	15	7	9
Vactor #2	2	7	3	1	2	2	3		1	4	1	8	7
Hydro													
Rodder		1											
Feet/day	2,800	2,600	3,050	3,450	2,950	3,250	2,800	3,250	3,150	3,250	2,100	2,350	3,100
Vactor #1	2,800	3,450	2,750	3,600	2,750	3,400	2,950	3,250	3,200	3,150	2,150	1,750	3,500
Vactor #2	3,150	1,300	4,700	350	4,850	2,000	2,100		2,200	3,700	1,500	2,900	2,600
Hydro													
Rodder		650	222										
<u>Video Inspections</u>													
Mains (feet)	6,583	9,718	12,343	8,670	17,352	15,115	3,878	15,885	6,453	10,131	6,826	13,141	5,981
Laterals (each)	175	131	154	181	225	152	183	140	161	174	182	191	203
<u>Construction (each)</u>													
Cleanouts	22	20	13	17	7	10	7	3	16	8	10	6	4
Laterals	5	8		4	3	5	4			10	5		1
Mains	1			2						3			
Manholes										1			
Other					39								
<u>USA Markings</u>													
Regular (w/in 2 days)	222	281	247	270	319	225	244	326	252	215	214	160	151
Emergency (w/in 2 hours)	21	8	13	5	-	6	14	8	10	6	4	18	7

WASTEWATER PLANT OPERATIONS DATA - MONTHLY

[illegible]

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
<u>Scheduled</u>													
Old	78	39	55	77	66	53	55	37	39	50	57	48	75
New	93	77	98	93	70	105	80	100	75	91	88	80	86
Completed	132	61	76	104	83	103	98	98	64	84	97	53	112
New Balance	39	55	77	66	53	55	37	39	50	57	48	75	49
<u>Unscheduled</u>													
Old	65	82	81	88	64	71	74	71	62	62	56	57	57
New	43	33	30	31	52	44	37	28	33	25	33	31	30
Completed	26	34	23	55	45	41	40	37	33	31	32	31	39
New Balance	82	81	88	64	71	74	71	62	62	56	57	57	48
<u>Total Work Orders</u>													
Old	143	121	136	165	130	124	129	108	101	112	113	105	132
New	136	110	128	124	122	149	116	128	108	116	121	111	116
Completed	158	95	99	160	128	144	138	136	96	115	129	84	151
New Balance	121	136	165	130	124	129	108	101	112	113	105	132	97
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	315	281	325	392	130	158	193	179	193	204	168	175	192
Process Control	1,288	1,157	1,276	1,235	778	729	744	907	739	766	1,315	1,209	1,189
Special Request	60	17	1	5	320	11	207	93	-	19	39	40	3
Quality Control/Assurance	372	500	306	349	209	5	32	5	5	50	302	299	303
TOTAL	2,035	1,955	1,908	1,981	1,437	903	1,176	1,184	937	1,039	1,824	1,723	1,687

**Summary of NSD Capital Project Status
through 01-31-17**

Proj #	Description	FY 16-17 Budget	FY 15-16 Carryovers	Adj.	Final FY 16-17 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
<u>COLLECTION SYSTEM</u>									
13701	Main Line Sewer Rehab	88,700		(60,000)	28,700	-	4,704	23,997	16%
13702	Manhole Raising/Rehab	198,900		60,000	258,900	-	193,007	65,893	75%
13703	Lateral Replacement/Rehab	72,000			72,000	-	38,099	33,901	53%
13704	Cleanouts Installation/Rehab	87,000			87,000	-	31,883	55,117	37%
13705	I&I Reduction Program	200,000			200,000	100,000	12,698	87,302	6%
14703	Browns Valley Rd & First St	2,800,000	813,800		3,613,800	456,629	333,407	2,823,764	9%
15703	Sarco Crk PL Rplcmnt/CalTRANS	1,050,000	(34,250)	98,000	1,113,750	176,815	932,651	4,284	84%
15721	ACP CIPP Lining Project #1	-	330,000		330,000	1,659	296,757	31,584	90%
16701	Basin L - I&I Reduction #5	1,400,000	(490,400)	(160,000)	749,600	25,359	693,820	30,421	93%
16718	NN Siphon Vault Cover Replacement	-	5,000		5,000	-	1	4,999	0%
16723	Milliken Creek Sewer Repair	-	150,000	150,000	300,000	4,880	268,955	26,165	90%
17701	ACP CIPP Lining Project #2	350,000		(350,000)	-	-	-	-	-
17702	Upper Lateral Rehab - Basin L (Pilot #2)	5,000			5,000	-	-	5,000	-
17703	Manhole Rehab - Nipak	90,000			90,000	-	87,708	2,292	97%
17704	Infltrtn Rehab - SSMH/PL (CI-)	400,000		(300,000)	100,000	-	25,805	74,195	26%
17705	Soscol Ave (8th to Oil Co Rd)	500,000			500,000	55,156	22,754	422,090	5%
17706	Rehab - Ranch De Los Robles	400,000		(400,000)	-	-	-	-	-
17707	66-inch Trunk CCTV Inspection	150,000			150,000	-	315	149,685	0%
17708	Basin G - I&I Reduction #1	1,200,000		1,180,000	2,380,000	-	29,200	2,350,800	1%
17734	Homewood/Westwood I/I Reduction	-		200,000	200,000	-	8,453	191,547	4%
<u>COLLECTION SYSTEM - EQUIPMENT</u>									
17709	Eel Replacment 1	5,400		100	5,500	5,454	5,454	(5,409)	99%
17710	Vehicle 510 - Water Truck	207,900		(18,100)	189,800	-	186,160	3,640	98%
<u>LIFT STATIONS</u>									
17711	West Napa PS - Rehab	1,750,000			1,750,000	-	-	1,750,000	-
<u>TREATMENT</u>									
16708	Algae to Digester with Thermal Study	-	50,450		50,450	22,913	3,542	23,995	7%
17712	Headworks/Primary - Odor Ctrl	20,000		5,000	25,000	21,961	1,619	1,420	6%
<u>TREATMENT - EQUIPMENT</u>									
13741	Secondary PS Pump Rebuild (3)	37,500	7,200	5,000	49,700	49,100	-	600	-
13743	Risidual Analyzers (Deox) Replacements	-		20,000	20,000	-	8,079	11,921	40%
14720	Belt Press Polymer Skid Replacement	-	55,700		55,700	-	47,724	7,976	86%
15711	Rotork Actuator Replacement	-	52,750	88,700	141,450	126,660	6,200	8,590	4%
15712	Rehab Pond 1 Storage Structure	25,000	5,000	(30,000)	-	-	-	-	-
15713	Aeration Basin Instrmntn/Ctrl	1,200,000	(126,000)	500,000	1,574,000	277,157	1,134,919	161,924	72%
16713	Buried Metallic Piping (eval/rehab)	40,000	10,000	(8,200)	41,800	-	-	41,800	-
16714	High Voltage System Repairs	-	30,000	50,000	80,000	12,115	4,070	63,815	5%
16715	Cogen Bottom End Overhaul	75,000	150,000		225,000	218,378	-	6,622	-
17713	Secondary PS VFD Rplcmnt (3)	53,600			53,600	-	-	53,600	-

**Summary of NSD Capital Project Status
through 01-31-17**

Proj #	Description	FY 16-17 Budget	FY 15-16 Carryovers	Adj.	Final FY 16-17 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
17714	WWTP MP - 3W Sys Imprvmnts	60,000			60,000	-	497	59,503	1%
17715	Turbidimeters (7) Tertiary Rplcmnts	11,800		11,200	23,000	14,041	7,575	1,384	33%
17716	FOG - Strain Press	200,000			200,000	-	148,570	51,430	74%
17717	Energy Audit - Odor Control VFD	51,700			51,700	4,624	-	47,076	-
17718	Energy Audit - LED Pole/Arm Mounted Fixtures	78,100		50,000	128,100	-	1,013	127,087	1%
17719	Lab - Smpler 4700 - Pretreatment	7,500		(800)	6,700	-	-	6,700	-
17720	Lab - Smpler 4700 - Pretreatment	7,500			7,500	-	-	7,500	-
17721	Lab - Chlorophyll A Analyzer - Pond Water	5,400		800	6,200	-	-	6,200	-
17722	Main - Stationary Gas Detector Replacment Ph 2	140,000		35,000	175,000	155,924	1,714	17,362	1%
17723	Main - Rotork Actuator Replacment	88,700		(88,700)	-	-	-	-	-
17724	Main - Primary Clarifier Exhaust Fan Replacment	5,000		(5,000)	-	-	-	-	-
17725	Main - Sump #3 Modification	10,000			10,000	-	-	10,000	-
<u>TREATMENT - STRUCTURES</u>									
13724	IPS Expansion	-	38,700		38,700	15,270	1	23,429	0%
17726	Headworks Equipment Rehab/Replacment	10,000		100,000	110,000	54,605	17,830	37,565	16%
17727	Roof Replacement - Digester 2nd Floor	125,000		(10,000)	115,000	-	110,713	4,287	96%
17728	Roof Replacement - AB/Blower Building	40,000		5,000	45,000	-	43,162	1,838	96%
17729	DAF Access Opening	20,000			20,000	-	-	20,000	-
<u>SCADA</u>									
<u>RECYCLING - DISTRICT</u>									
15717	Isolation Valve on Kirkland Line (Devlin Rd)	49,200	14,400	10,000	73,600	-	1,107	72,493	2%
16716	Line Recycled Water Reservoir	1,320,000	(18,400)	(1,000,000)	301,600	27,098	100,815	173,687	33%
17730	Jameson Solids Pad Dump Bay	15,000		(15,000)	-	-	-	-	-
17731	Jameson Office Trailer Replacment	25,000			25,000	-	588	24,412	2%
17732	Vehicle 710 - 8830 Tractor	200,000		(30,000)	170,000	-	165,932	4,068	98%
17733	Vehicle 172 - Ford F150	28,000		5,000	33,000	-	30,900	2,100	94%
<u>RECYCLING - EXPANSION</u>									
13727	North Bay Wate Reuse Project	845,000			845,000	-	283,881	561,119	34%
14726	MST RW Pipeline Construction	-	500,000		500,000	305,809	16,334	177,857	3%
14727	Split N/S Lines, surge protection	-	50,000		50,000	10,615	19,506	19,879	39%
15718	LCWD Recycled Water Pipeline - Construction	-	500,000	(98,000)	402,000	318,924	39,398	43,678	10%
16722	MST RW Pipeline Extension	1,200,000	(700)		1,199,300	193,233	190,146	815,921	16%
<u>OTHER</u>									
13729	Development Technical Support	231,800			231,800	-	133,295	98,505	58%
16717	Admin/Engineering Bldg - Acoustic Improvements	-	10,000		10,000	-	-	10,000	-
GRAND TOTAL ALL PROJECTS		\$17,180,700	\$2,103,250	-	\$19,283,950	\$2,654,380	\$5,690,962	\$10,938,610	30%