

Napa Sanitation District

General Manager's Report

for

January, 2017

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NAPA SANITATION DISTRICT



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

<u>REGULATORY COMPLIANCE</u>:

7 Category 1 SSO's, 0 Category 2 SSO's, and 9
Category 3 SSO's
Full compliance with all regulations
None

FISCAL STATUS:

July 1, 2016 – January 31, 2017
58.3%
52.5%
64.3%
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
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.

<u>RECYCLING</u>:

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)

Expenditures	FY 16/17 Budget	Expenditures to date	Encumbrances	Committed to date	Remaining Balance	Percent Committed
Operating						
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 🕧	98.0%
Intrafund Transfers	8,900,000	2,225,000	-	2,225,000	6,675,000 📿) 25.0%
Total Operating:	\$29,129,780	\$14,307,213	\$978,650	\$15,285,864	\$13,843,916	<mark>) 52.5%</mark>
<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	\$2,084,370	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%
	FY 16/17	Collected		Received to	Uncollected	Percent
Revenues	Budget	to date	Encumbrances	Date	Revenue	Collected
Operating						
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) 🔄) 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:	Ş51,449,500	\$25,267,200		\$25,267,200	\$26,182,300	49.1%

Cash on Hand as of 1/31/17 **excluding Debt Service restricted funds

<u>\$17,855,063.04</u>

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%

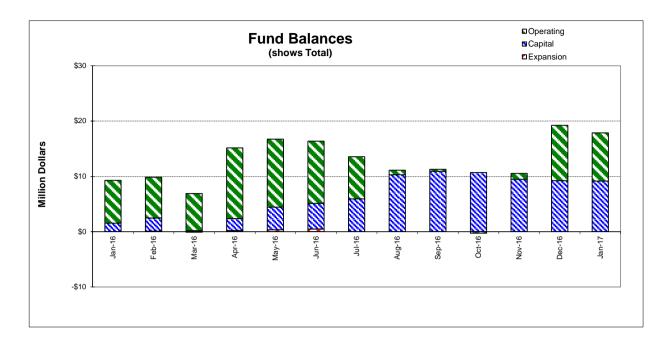
12/31/16 -Effective Rate of Return = 0.64%

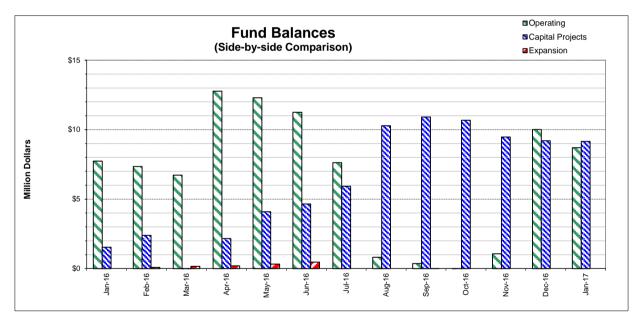
4. See Capital Project Status report for details

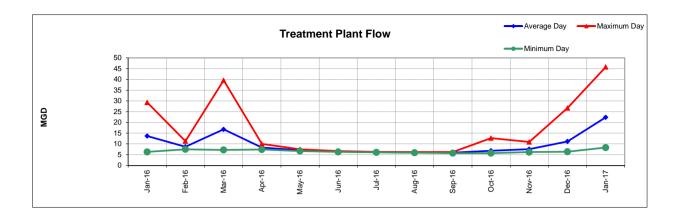
Note: January 2017 Effective rate of return not available at the time of this report.

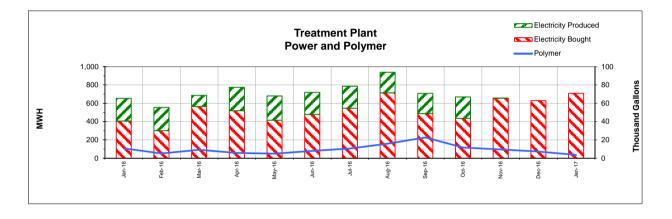
5. In-house Labor for Capital Projects (Contra acct for Salaries)

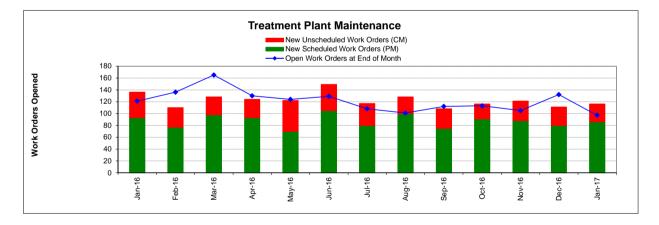
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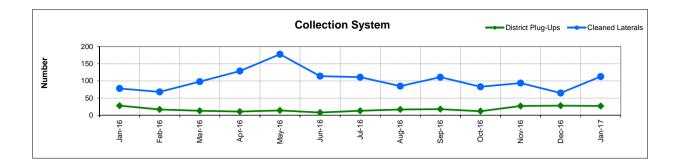


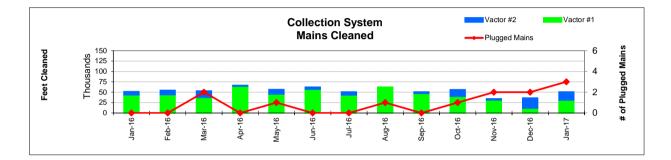


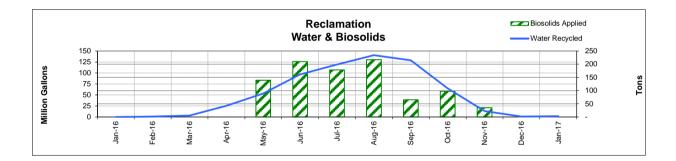


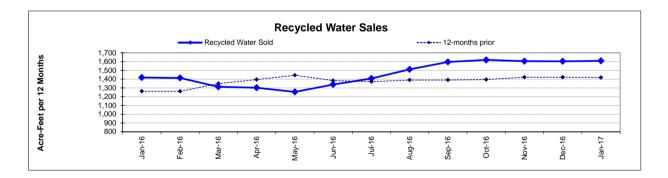












CATEGORY	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17
(Thousand Dollars)													
7800 7850	7,737	7,347 -	6,726 -	12,775 -	12,297 -	11,251 -	7,626	819 -	362 -	(293)	1,062 -	10,012	8,701 -
Subtotal Operating	7,737	7,347	6,726	12,775	12,297	11,251	7,626	819	362	(293)	1,062	10,012	8,701
Capital Improvement Projects Debt Proceeds	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 -
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
Phone Requests													
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
Counter Requests													
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
Initial Request (Referrals)	15	14	16	11	17	14	12	22	10	7	21	23	17
Connection Permits Issued													
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	-	-
Plans Reviewed													
Subdivisions/Sites													
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
Building/Tenant Improvements				_									
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
CONSTRUCTION													
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
MISCELLANEOUS													
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
SPECIAL PROJECTS	-	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
Outreach Activities													
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
Inspections Conducted													
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
Compliance Issues													
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	-
Pollution Prevention													
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

	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)														
<u>Water Sold</u>	405.0			0.15		0.40		004		0.40		074		
Golf Courses	405.0	999	999	915	899	840	869	891	920	946	960	971	968	969
Cemeteries Parks	5.0 18.5	15 17	15 17	15 17	13 16	13 16	13 17	13 17	13 17	15 17	14 16	14 16	14 16	14 16
Schools	21.0	40	40	37	35	35	37	38	38	37	36	34	70 34	70 34
Commerical	167.6	292	286	275	270	276	294	293	302	308	304	301	301	304
Vineyards	564.0	49	200 50	49	64	68	103	149	215	268	285	265	266	266
Trucked Water	175.0		6		6	6	5	5	215	200	200	205	200	200 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

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	-	-
Land Applied by Contractor 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
Cleaning (feet of sewer)													
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		050											
Rodder	50 700	650	50.074	05 550	50.000	04.000	50.077	04 500	50.050	FF 440	00 557	05 407	40.045
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
Cleaning Days	18	21	17	19	19	19	18	19	16	17	16	15	16
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 3,150	3,450	2,750 4,700	3,600	2,750 4,850	3,400	2,950 2,100	3,250	3,200 2,200	3,150 3,700	2,150 1,500	1,750	3,500
Vactor #2 Hydro	5,150	1,300	4,700	350	4,000	2,000	2,100		2,200	3,700	1,500	2,900	2,600
Rodder		650	222										
		000											
Video Inspections 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)	0,585	9,718	12,343	0,070 181	225	15,115	3,878	15,885	0,455 161	10,131	0,020	13,141	203
	170	101	104	101	220	102	100	140	101	174	102	101	200
Construction (each) Cleanouts	22	20	13	17	7	10	7	3	16	8	10	6	1
Laterals	5	20 8	15	4	3	5	4	3	10	0 10	5	0	4 1
Mains	1	0		2	5	5	-			3	5		I.
Manholes	•			-						1			
Other					39					-			
USA Markings													
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

CATEGORY	Units	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
FLOWS		31	29	31	30	31	30	31	31	30	31	30	31	31
Influent	MG	424.7	252.6	520.1	249.2	218.9	193.5	191.0	186.6	178.1	212.3	226.4	346.3	693.3
Average Day	MGD	13.7	8.7	16.8	8.3	7.1	6.5	6.2	6.0	5.9	6.8	7.5	11.2	22.4
Maximum Day	Date	19-Jan	1-Feb	11-Mar	10-Apr	7-May	1-Jun	7-Jul	27-Aug	5-Sep	28-Oct	20-Nov	16-Dec	10-Jan
Maximum Day Flow	MG	29.3	11.3	39.6	10.0	7.5	6.7	6.3	6.2	6.2	12.7	10.9	26.7	45.8
Minimum Day	Date	1-Jan	29-Feb	3-Mar	29-Apr	31-May	30-Jun	24-Jul	23-Aug	27-Sep	11-Oct	8-Nov	7-Dec	1-Jan
Minimum Day Flow	MG	6.3	7.5	7.2	7.4	6.7	6.3	6.1	5.9	5.7	5.7	6.2	6.4	8.3
Effluent	MG	457.8	306.2	478.6	313.0	63.3	109.4	131.8	155.7	132.2	83.5	442.0	369.9	529.2
River Discharge	MG	457.8	306.2	474.4	282.4	-	-	-				426.1	357.6	529.2
Recycled Flow	MG	-	-	4.2	30.5	63.3	109.4	131.8	155.7	132.2	83.5	16.0	12.2	-
BIOSOLIDS	Tons	737	532	689	496	637	621	464	361	397	499	591	658	439
Wet Tons Generated from Pond	Tons													
Wet Tons Generated from Plant	Tons	737	532	689	496	637	621	464	361	397	499	591	658	439
Wet Tons Hauled Offsite	Tons													
POLYMER USE	Gallons	10,859	5,281	9,284	5,700	5,031	8,095	10,556	15,943	22,716	11,710	9,676	7,306	3,670
Pond Pre-Flocculators	Gallons	9,284	4,296	7,555	3,958	325	1,723	4,500	7,184	9,409	4,594	6,988	3,966	2,003
Flocculator Polymer 1	Gallons													
Flocculator Polymer 2	Gallons	939	392	1,008	598	18	158	355	586	610	110	1,150	913	1,148
Filter Polymer 1	Gallons			84	587	4,075	5,299	5,143	7,388	12,023	6,282	766	1,697	-
Filter Polymer 2	Gallons													
Belt Presses	Gallons	637	593	637	557	613	916	558	785	674	724	772	730	519
ENERGY														
Total Electricity Used	MWH	653	555	686	774	680	719	785	939	708	668	657	630	709
Purchased from PGE	MWH	407	300	566	519	415	479	546	714	489	436	655	630	709
Produced from Co-Gen	MWH	247	255	120	255	265	240	240	225	219	233	3	-	-
Percent Produced	%	38%	46%	17%	33%	39%	33%	31%	24%	31%	35%	0%		
Purchased Natural Gas	Therms	130	1,327	1,730	492	321	164	501	780	1,653	745	36	4	-
Methane Flared Off	KSCF	56	508	1,674	260	268	147	145	42	135	67	4,051	4,407	3,225
Stand By Calls	#	50	55	70	41	14	10	37	22	61	41	52	50	24
										•••				

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
Scheduled													
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
lloss hadeded													
<u>Unscheduled</u> Old	65	82	81	88	64	71	74	71	62	62	56	57	57
New	43	82 33	30	88 31	64 52	44	74 37	28	62 33	62 25	50 33	57 31	30
Completed	43 26	33 34	23	55	45	44	40	37	33	23 31	32	31	39
New Balance	82	<u> </u>	88	<u>64</u>	71	74	71	62	<u>62</u>	56	57	57	48
New Dalance	02	01	00	04	<i>'</i> '	/ 4		02	02	50	57	57	40
Total Work Orders													
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
LAB ANALYSES													
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

# Description Budget Carryovers Adj. Padget Fourmence to Date Remaining Expended 13701 Main lue Sever Rehab 88,700 (60,000) 28,700 - 4,704 23,907 15% 13702 Manhole Raising/Rehab 198,900 60,000 28,700 - 31,007 65,833 175% 13704 Cleanouts installation/Rehab 72,000 - 31,000 533,001 533,001 533,001 533,001 533,001 533,001 533,001 533,000 12,698 87,402 646,629 33,407 2,823,764 954 12703 Browns Valley rd & First St 2,800,000 813,800 36,613,800 456,629 33,407 2,823,744 954 12703 Browns Valley rd & First St 2,800,000 [150,000 1,599 295,77 31,844 903,000 1,699 295,77 31,844 903,000 4,899 076,1701 4,099 076,1701 4,099 076,1702 0perturetal Rehab - Sint (Plot reg)	Proj		FY 16-17	FY 15-16		Final FY 16-17		Costs Paid	Budget	% Budget
13701 Main Line Sever Rehab 88,700 (60,000) 28,700	#	Description	Budget	Carryovers	Adj.		Encumbrance	to Date	Remaining	Expended
13702 Manhole Faising/Rehab 198,000 268,000 272,000 - 193,007 66,893 75% 13703 Lateral Replacement/Rehab 72,000 - 38,009 33,901 53% 13704 Cleanouts installation/Rehab 87,000 - 31,883 55,117 37% 13705 Relatouts installation/Rehab 87,000 831,800 5,613,800 46,629 333,407 2,823,74 49% 15703 Sarco CK Pt Refunnt/CalTRANS 1,050,000 (14,250) 330,000 17,615 932,651 4,244 89% 15701 Basin L- Rie Reduction #5 1,400,000 (490,400) (160,000) 749,600 25,559 693,820 934,41 93% 15703 Basin L- Rie Rehab - Sank (Pilot #2) 5,000 1 4,899 96% 167,23 1,848 96% 167,23 1,818 196,000 150,000 25,050 1 1 939 1 137% 1,717 1,717 1,717 1,717 1,717 1,717 1,717 1,717 1,717 1,717 1,717 1,717 1,717		COLLECTION SYSTEM								
13703 Lateral Replacement/Rehab 72,000 - 38,099 33,901 53% 13740 Cleanouts Installation/Rehab 87,000 200,000 11,038 85,117 37% 13750 Bit Reduction Program 200,000 813,800 36,133 456,629 333,407 2,423,764 9% 15730 Sarco CRP Ry ReinmCritaTRAS 1,500,000 (44,250) 98,000 1,113,750 16,76,855 932,820 30,421 93% 15712 ACP CIPP Lining Project #1 - 330,000 1,659 226,757 31,584 90% 15723 Milliken Creek Sewer Replar - 150,000 150,000 300,000 - 1 4,999 0% 15723 Milliken Rehab - Basin L(Pilot #2) 50,000 - 5,000 - <	13701	Main Line Sewer Rehab	88,700		(60,000)	28,700	-	4,704	23,997	16%
1370 Cleanouts' installation/Rehab 87,000 - 31,883 55,117 37% 1370 Bit Reduction Program 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 Refurmt/CalTRANS 1,050,000 (44,250) 98,000 1,1375 176,815 932,651 4,224 44% 15713 NS Rofnor Vall Cover Replacement - 330,000 330,000 . 1 4,999 9% 16701 Basin L -1& Replacement - 5,000 - <t< td=""><td>13702</td><td>Manhole Raising/Rehab</td><td>198,900</td><td></td><td>60,000</td><td>258,900</td><td>-</td><td>193,007</td><td>65,893</td><td>75%</td></t<>	13702	Manhole Raising/Rehab	198,900		60,000	258,900	-	193,007	65,893	75%
13708 Bil Reduction Program 200,000 813.80 3,613.800 456.629 333.407 2,682.376 14703 Browns Valley Rd & First St 2,800,000 813.800 3,613.800 456.629 333.407 2,823.764 8/4 15723 Sarco Crk PL Rylermit/CatTRANS 1,600,000 (14),2750 330.000 1,639 296,757 31,584 90% 16718 Sarto Crk PL Rylermit/CatTRANS 1,600,000 (160,000) 749,600 25,539 693,820 30,411 34,939 0% 16718 Sarto Crk PL Rylermit/CatTRANS 150,000 150,000 300,000 - 1 4,939 0% 16723 Milken Creek Sever Repair - 150,000 150,000 -	13703	Lateral Replacement/Rehab	72,000			72,000	-	38,099	33,901	53%
14703 Browns Valley Rd, Erirst St 2,800,000 813,800 3,613,800 456,629 333,407 2,823,764 9% 15703 Sarco Crk PL Rplimmt/CalTRANS 1,050,000 (34,250) 98,000 1,113,750 176,815 932,651 4,284 84% 15701 Basin L - 1& Reduction #5 1,400,000 (490,400) (160,000) 74,9600 25,359 633,220 30,421 93% 16701 Basin L - 1& Reduction #5 1,400,000 (150,000) 300,000 - 1 4,999 0% 16713 NN Sphon Vault Cover Replacement - 150,000 150,000 300,000 4,880 268,955 26,165 90% 17703 Upper Lateral Rehab - Basin L (Pilot #2) 50,000 - - 5,000 - - 5,000 - <td< td=""><td>13704</td><td>Cleanouts Installation/Rehab</td><td>87,000</td><td></td><td></td><td>87,000</td><td>-</td><td>31,883</td><td>55,117</td><td>37%</td></td<>	13704	Cleanouts Installation/Rehab	87,000			87,000	-	31,883	55,117	37%
15703 Sarco Crk PL injepromy(CaTRANS 1,050,000 144,250 98,000 1,18,150 176,155 926,675 31,584 90% 15721 ACP CIPP Lining Project #1 - 330,000 748,600 25,559 693,220 30,221 93% 16718 Basin L - I&I Reduction #5 1,400,000 (490,400) (150,000) 749,600 25,559 693,220 30,221 93% 16718 Basin L - IRI Reduction #5 - 5,000 - 1 4,999 0% 16723 Milko Creck Replacement - 5,000 150,000 300,000 -	13705	I&I Reduction Program	200,000			200,000	100,000	12,698	87,302	6%
15721 ACP OPP Lining Project #1 - - 330,000 1.659 267,57 31,584 90% 16701 Basin L - 18k Reduction #5 1.400,000 (490,400) (160,000) 749,600 25,359 693,820 30,421 93% 16718 NK Sjphon Vault Cover Replacement - 150,000 50,000 - 1 4,999 0% 16723 Miliken Creek Sewer Replar - 150,000 350,000 - <td>14703</td> <td>Browns Valley Rd & First St</td> <td>2,800,000</td> <td>813,800</td> <td></td> <td>3,613,800</td> <td>456,629</td> <td>333,407</td> <td>2,823,764</td> <td>9%</td>	14703	Browns Valley Rd & First St	2,800,000	813,800		3,613,800	456,629	333,407	2,823,764	9%
16701 Basin L - 18. Reduction #5 1,400,000 (490,000) (160,000) 749,600 25,359 693,820 30,21 93% 16718 NN Siphon Vault Cover Repair - 150,000 300,000 - - 1 4,999 0% 16728 Milken Creek Sever Repair - 150,000 150,000 300,000 4.880 268,955 26,165 90% 17701 ACP CIPP Lining Project #2 350,000 -<	15703	Sarco Crk PL Rplcmnt/CalTRANS	1,050,000	(34,250)	98,000	1,113,750	176,815	932,651	4,284	84%
16718 NN Siphon Vauit Cover Replacement - 5,000 5,000 - 1 4,999 0% 16728 Milliken Creek Sewer Repair - 15,000 150,000 300,000 4,880 268,955 26,165 90% 17701 ACP CIP Lining Project #2 350,000 -	15721	ACP CIPP Lining Project #1	-	330,000		330,000	1,659	296,757	31,584	90%
16723 Milliken Creek Sewer Repair - 150,000 150,000 300,000 4,880 268,955 26,165 90% 17701 LOPC Lining Project #2 350,000 -	16701	Basin L - I&I Reduction #5	1,400,000	(490,400)	(160,000)	749,600	25,359	693,820	30,421	93%
17701 ACP CIP Ling Project #2 350,000 (350,000) - - - - - 17702 Upper Lateral Rehab - Basin L (Pliot #2) 5,000 - 5,000 - 5,000 - 5,000 - 5,000 - 5,000 - 17/20 Manhole Rehab - Nipak 90,000 - 87,708 2,222 97% 17704 Inffirth Rehab - SSMH/PL (C1) 400,000 (400,000) - <td< td=""><td>16718</td><td>NN Siphon Vault Cover Replacement</td><td>-</td><td>5,000</td><td></td><td>5,000</td><td>-</td><td>1</td><td>4,999</td><td>0%</td></td<>	16718	NN Siphon Vault Cover Replacement	-	5,000		5,000	-	1	4,999	0%
17702 Upper Lateral Rehab - Basin L (Pilot #2) 5,000 - - - 5,000 - 17703 Manhole Rehab - Nipak 90,000 90,000 - 87,708 2,292 97% 17704 Infittm Rehab - SMR/PL (C)-() 400,000 (400,000) - 2,2,505 77,4155 26% 17705 Rehab - Ranch De Los Robles 400,000 (400,000) -	16723	Milliken Creek Sewer Repair	-	150,000	150,000	300,000	4,880	268,955	26,165	90%
17703 Manhole Rehab - Nipak 90,000 90,000 - 87,708 2,292 97% 17704 Inffirth Rehab - SSMH/PL (C1-) 400,000 (300,000) 100,000 - 25,805 74,195 26% 17705 Socol Ave (8h to Oli Co Rd) 500,000 500,000 -	17701	ACP CIPP Lining Project #2	350,000		(350,000)	-	-	-	-	-
17704 Infltrtn Rehab - SSNH/PL (CI-) 400,000 (300,000) 100,000 - 25,805 74,195 26% 17705 Soscol Ave (8th to Oil Co Rd) 500,000 (400,000) - - - - 17706 Rehab - Ranch De tos Robles 400,000 (400,000) - - - - 17707 66-inch Trunk CCTV Inspection 150,000 1,180,000 2,380,000 - 29,200 2,350,800 1% 17708 Basin G - Isil Reduction #1 1,200,000 1,180,000 2,800,000 - 8,453 191,547 4% 17709 Eel Replacment 1 5,400 100 5,500 5,454 5,454 (5,409) 9% 17710 Vehicle 510 - Water Truck 207,900 (18,100) 189,800 - 186,160 3,640 98% 17711 West Napa PS - Rehab 1,750,000 1,750,000 22,913 3,542 23,995 7% 17712 Headworks/Primary - Odor Ctrl 20,000 50,450 22,913 3,542 23,995 7% 17712 Headworks/Pr	17702	Upper Lateral Rehab - Basin L (Pilot #2)	5,000			5,000	-	-	5,000	-
17705 Soscol Ave (8th to Oil Co Rd) 500,000 (400,000) - - - - - 17706 Rehab - Ranch De Los Robles 400,000 (400,000) -<	17703	Manhole Rehab - Nipak	90,000			90,000	-	87,708	2,292	97%
17706 Rehab - Ranch De Los Robles 400,000 (400,000) - - - - - 17707 66-inch Trunk CCTV Inspection 150,000 150,000 - 315 149,685 0% 17773 Homewood/Westwood I/I Reduction #1 1,200,000 1,188,000 - 29,200 2,350,000 1% 17709 Eel Replacment 1 5,400 100 5,500 5,454 5,454 (5,409) 99% 17710 Vehicle S10 - Water Truck 207,900 (18,100) 189,800 - 186,160 3,640 98% IFT STATIONS 177711 West Napa PS - Rehab 1,750,000 1,750,000 - - 1,750,000 - 1,750,000 - 1,750,000 - 1,750,000 - 1,420 6% 177712 Headworks/Primary - Odor Ctrl 20,000 5,0450 22,913 3,542 23,995 7% 177712 Headworks/Primary - Odor Ctrl 20,000 5,000 25,000 21,961 1,619 1,420 6% 177712 Headworks/Primary - Odor C	17704	Infltrtn Rehab - SSMH/PL (CI-)	400,000		(300,000)	100,000	-	25,805	74,195	26%
17707 66-inch Trunk CCTV Inspection 150,000 150,000 150,000 2,380,000 - 315 149,685 0% 17708 Basin G - i&R Reduction #1 1,200,000 1,180,000 2,380,000 - 29,200 2,350,800 1% 17708 Homewood/Westwood I/I Reduction - 200,000 100 5,500 5,454 5,454 (5,409) 99% 17710 Vehicle 510 - Water Truck 5,400 100 5,500 5,454 5,454 (5,409) 99% 17711 Vestice 510 - Water Truck 1,750,000 1,750,000 - - 1,750,000 - - 1,750,000 - - - 1,750,000 - - 1,750,000 - - - 1,750,000 - - 1,750,000 - - 1,750,000 - - - 1,750,000 - - - - - - - - 1,750,000 22,913 3,542 23,995 7% - - - - - - - - - -	17705	Soscol Ave (8th to Oil Co Rd)	500,000			500,000	55,156	22,754	422,090	5%
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 // Reduction - 200,000 200,000 - 8,453 191,547 4% COLLECTION SYSTEM - EQUIPMENT 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% IFT STATIONS 17711 West Napa PS - Rehab 1,750,000 - - 1,750,000 - - 1,750,000 - - 1,750,000 - - 1,750,000 - - 1,750,000 - - 1,750,000 - - 1,420 6% 17712 Headworks/Primary - Odor Ctrl 20,000 5,000 49,700 49,100 - 600 - - - - - - - - - - - - - - -	17706	Rehab - Ranch De Los Robles	400,000		(400,000)	-	-	-	-	-
17734 Homewood/Westwood I/I Reduction - 200,000 200,000 - 8,453 191,547 4% COLLECTION SYSTEM - EQUIPMENT 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% LIFT STATIONS 1,750,000 - - 1,750,000 - - 1,750,000 - 17711 West Napa PS - Rehab 1,750,000 20,450 50,450 50,450 22,913 3,542 23,995 7% 17712 Headworks/Primary - Odor Ctrl 20,000 50,0450 25,000 21,961 1,619 1,420 6% 17712 Headworks/Primary - Odor Ctrl 20,000 5,000 49,700 49,100 - 600 - 13741 Secondary PS Pump Rebuild (3) 37,500 7,200 5,000 49,700 49,100 - 600 - 13743 Risidual Analyzers (Deox) Replacement - 55,700 55,700 24,724 7,976 86% </td <td>17707</td> <td>66-inch Trunk CCTV Inspection</td> <td>150,000</td> <td></td> <td></td> <td>150,000</td> <td>-</td> <td>315</td> <td>149,685</td> <td>0%</td>	17707	66-inch Trunk CCTV Inspection	150,000			150,000	-	315	149,685	0%
COLLECTION SYSTEM - EQUIPMENT 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% LIFT STATIONS 1,750,000 1,750,000 - - 1,750,000 - 17712 West Napa PS - Rehab 1,750,000 - 50,450 22,913 3,542 23,995 7% 17712 Headworks/Primary - Odor Ctrl 20,000 50,450 25,000 21,961 1,619 1,420 6% 17712 Headworks/Primary - Odor Ctrl 20,000 5,000 49,700 49,100 - 600 - 13741 Secondary PS Pump Rebuild (3) 37,500 7,200 5,000 29,000 - 8,079 11,921 40% 14720 Belt Press Polymer Skid Replacement - 55,700 5,57,00 - 47,724 7,976 86% 15711 Rotor A			1,200,000		1,180,000		-		2,350,800	
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% LIFT STATIONS 17711 West Napa PS - Rehab 1,750,000 - - 1,750,000 - - 1,750,000 - TREATMENT Xigae to Digester with Thermal Study - 50,450 20,900 25,000 25,0450 22,913 3,542 23,995 7% 16708 Aigae to Digester with Thermal Study - 50,450 25,000 25,000 21,961 1,619 1,420 6% 17712 Headworks/Primary - Odor Ctrl 20,000 - 50,000 25,000 21,961 1,619 1,420 6% 13743 Secondary PS Pump Rebuild (3) 37,500 - 20,000 20,000 20,000 - 8,079 11,921 40% 14720 Belt Press Polymer Skid Replacement - 55,700 - 47,724 7,976 86% 1	17734	Homewood/Westwood I/I Reduction	-		200,000	200,000	-	8,453	191,547	4%
17710 Vehicle 510 - Water Truck 207,900 (18,100) 189,800 - 186,160 3,640 98% LIFT STATIONS 17711 West Napa PS - Rehab 1,750,000 1,750,000 - - 1,750,000 - - 1,750,000 - TREATMENT Algae to Digester with Thermal Study - 50,450 22,913 3,542 23,995 7% 17712 Headworks/Primary - Odor Ctrl 20,000 50,000 50,000 25,000 21,961 1,619 1,420 6% TREATMENT - EQUIPMENT - 20,000 7,200 5,000 49,700 49,100 - 600 - 13741 Secondary PS Pump Rebuild (3) 37,500 7,200 20,000 20,000 - 8,079 11,921 40% 14720 Belt Press Polymer Skid Replacement - 55,700 - 47,724 7,976 86% 15711 Rotork Actuator Replacement - 52,750 88,700 141,450 126,660 6,200 8,599 4% 15713 Rehab Pond 1 Storage Structure 25,000 <td></td> <td>COLLECTION SYSTEM - EQUIPMENT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		COLLECTION SYSTEM - EQUIPMENT								
LIFT STATIONS 1,750,000 1,750,000 - 1,750,000 - 17711 West Napa PS - Rehab 1,750,000 - - 1,750,000 - 17711 West Napa PS - Rehab 1,750,000 - - 1,750,000 - 17711 West Napa PS - Rehab 1,750,000 - 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% 17712 Headworks/Primary - Odor Ctrl 20,000 5,000 49,700 49,100 - 600 - 13741 Secondary PS Pump Rebuild (3) 37,500 7,200 20,000 20,000 - 8,079 11,921 40% 13743 Risidual Analyzers (Deox) Replacement - 55,700 - 47,724 7,976 86% 15711 Rotor Actuator Replacement - 52,750 88,700 141,450 126,660 6,200 8,590	17709	Eel Replacment 1	5,400		100	5,500	5,454	5,454	(5,409)	99%
17711 West Napa PS - Rehab 1,750,000 - - 1,750,000 - TREATMENT 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 - 50,450 25,000 21,961 1,619 1,420 6% TREATMENT - EQUIPMENT TREATMENT - EQUIPMENT 13743 Secondary PS Pump Rebuild (3) 37,500 7,200 20,000 - 8,079 11,921 40% 14720 Belt Press Polymer Skid Replacements - 20,000 20,000 - 8,079 11,921 40% 15711 Rotork Actuator Replacement - 55,700 - 47,724 7,976 86% 15711 Rotork Actuator Replacement - 52,750 88,700 141,450 126,660 6200 8,599 44% 15712 Rehab Pond 1 Storage Structure 25,000 5,000 1,574,000 277,157 1,134,919 161,924 72% <t< td=""><td>17710</td><td>Vehicle 510 - Water Truck</td><td>207,900</td><td></td><td>(18,100)</td><td>189,800</td><td>-</td><td>186,160</td><td>3,640</td><td>98%</td></t<>	17710	Vehicle 510 - Water Truck	207,900		(18,100)	189,800	-	186,160	3,640	98%
TREATMENT 50,450 50,450 50,450 22,913 3,542 23,995 7% 16708 Algae to Digester with Thermal Study - 50,450 25,000 21,961 1,619 1,420 6% TREATMENT - EQUIPMENT TREATMENT - EQUIPMENT 13741 Secondary PS Pump Rebuild (3) 37,500 7,200 5,000 49,700 49,100 - 6600 - 13743 Risidual Analyzers (Deox) Replacements - 20,000 20,000 20,000 - 8,079 11,921 40% 14720 Belt Press Polymer Skid Replacement - 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 Instrumtn/Ctrl 1,200,000 (126,000) 500,000 1,574,000 277,157 1,134,919 161,924 72%		LIFT STATIONS								
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% TREATMENT - EQUIPMENT 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 - 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) - <t< td=""><td>17711</td><td>West Napa PS - Rehab</td><td>1,750,000</td><td></td><td></td><td>1,750,000</td><td>-</td><td>-</td><td>1,750,000</td><td>-</td></t<>	17711	West Napa PS - Rehab	1,750,000			1,750,000	-	-	1,750,000	-
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% TREATMENT - EQUIPMENT 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 - 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) - <t< td=""><td></td><td>TREATMENT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		TREATMENT								
TREATMENT - EQUIPMENT 37,500 7,200 5,000 49,700 49,100 - 600 - 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 Rotor 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) 50,000 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 - -	16708	Algae to Digester with Thermal Study	-	50,450		50,450	22,913	3,542	23,995	7%
13741Secondary PS Pump Rebuild (3)37,5007,2005,00049,70049,100-600-13743Risidual Analyzers (Deox) Replacements-20,00020,000-8,07911,92140%14720Belt Press Polymer Skid Replacement-55,700-47,7247,97686%15711Rotork Actuator Replacement-52,75088,700141,450126,6606,2008,5904%15712Rehab Pond 1 Storage Structure25,0005,000(30,000)15713Aeration Basin Instrmntn/Ctrl1,200,000(126,000)500,0001,574,000277,1571,134,919161,92472%16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-	17712	Headworks/Primary - Odor Ctrl	20,000		5,000	25,000	21,961	1,619	1,420	6%
13741Secondary PS Pump Rebuild (3)37,5007,2005,00049,70049,100-600-13743Risidual Analyzers (Deox) Replacements-20,00020,000-8,07911,92140%14720Belt Press Polymer Skid Replacement-55,700-47,7247,97686%15711Rotork Actuator Replacement-52,75088,700141,450126,6606,2008,5904%15712Rehab Pond 1 Storage Structure25,0005,000(30,000)15713Aeration Basin Instrmntn/Ctrl1,200,000(126,000)500,0001,574,000277,1571,134,919161,92472%16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-		TREATMENT - EQUIPMENT								
13743Risidual Analyzers (Deox) Replacements-20,00020,000-8,07911,92140%14720Belt Press Polymer Skid Replacement-55,700-47,7247,97686%15711Rotork Actuator Replacement-52,75088,700141,450126,6606,2008,5904%15712Rehab Pond 1 Storage Structure25,0005,000(30,000)15713Aeration Basin Instrmntn/Ctrl1,200,000(126,000)500,0001,574,000277,1571,134,919161,92472%16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-	13741		37,500	7,200	5,000	49,700	49,100	-	600	-
14720Belt Press Polymer Skid Replacement-55,700-47,7247,97686%15711Rotork Actuator Replacement-52,75088,700141,450126,6606,2008,5904%15712Rehab Pond 1 Storage Structure25,0005,000(30,000)15713Aeration Basin Instrmntn/Ctrl1,200,000(126,000)500,0001,574,000277,1571,134,919161,92472%16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-			-	,			-	8,079	11,921	40%
15711Rotork Actuator Replacement-52,75088,700141,450126,6606,2008,5904%15712Rehab Pond 1 Storage Structure25,0005,000(30,000)15713Aeration Basin Instrmntn/Ctrl1,200,000(126,000)500,0001,574,000277,1571,134,919161,92472%16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-			-	55,700			-		-	
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 -	15711		-		88,700	-	126,660		-	
15713Aeration Basin Instrmntn/Ctrl1,200,000(126,000)500,0001,574,000277,1571,134,919161,92472%16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-		-	25,000				-	-	-	-
16713Buried Metallic Piping (eval/rehab)40,00010,000(8,200)41,80041,800-16714High Voltage System Repairs-30,00050,00080,00012,1154,07063,8155%16715Cogen Bottom End Overhaul75,000150,000225,000218,378-6,622-		6	•			1,574,000	277,157	1,134,919	161,924	72%
16715 Cogen Bottom End Overhaul 75,000 150,000 225,000 218,378 - 6,622 -	16713	Buried Metallic Piping (eval/rehab)	40,000		(8,200)	41,800	-	-	41,800	-
	16714	High Voltage System Repairs	-	30,000	50,000	80,000	12,115	4,070	63,815	5%
17713 Secondary PS VFD Rplcmnt (3) 53,600 53,600 53,600 -	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

17714 WWTP MP - 3W Sys Improves 60,000 . 497 59,500 17715 Turbidimeters (7) Tertiary Rplomnts 11,200 23,000 14,041 7,575 1,38 17715 Forsgr Audit - Cobord VFD 51,700 4,624 - 47,70 17715 Forsgr Audit - Cobord VFD 51,700 51,700 4,624 - 47,70 17718 Energy Audit - Cobord VFD 51,700 50,000 128,8100 - 10,013 127,08 17719 Lab - Singler 4700 - Pretreatment 7,500 175,000 155,924 1,714 17,620 17722 Main - Statiotanary Gas Detector Replacement 8,700 35,000 155,924 1,714 17,526 17724 Main - Primary Clarifier Exhaust Fan Replacement 5,000 (5,000) - - 10,000 17725 Main - Sump #3 Modification 10,000 10,000 14,605 17,830 37,565 17726 Main - Sump #3 Modification 10,000 10,000 5,000 10,000 14,401	Proj		FY 16-17	FY 15-16		Final FY 16-17		Costs Paid	Budget	% Budget
17715 Turbidimeters (1) Tertiary Rpicmnts 11,800 11,200 23,000 14,041 7,575 13,83 17716 Fore Strain Press 200,000 - 148,570 51,343 17716 Fore Strain Press 200,000 - 148,570 51,343 17715 Enery Audit - LOP Cole/Arm Mounted Fixtures 78,100 50,000 128,100 - 10.13 127,006 17712 Lab - Smpler 4700 - Pretreatment 7,500 8000 6,200 - - 6,200 17721 Lab - Sittonary Gas Detector Replacement P1 2 140,000 35,000 125,024 1,714 17.366 17722 Main - Stattonary Gas Detector Replacement P 2 140,000 35,000 15,270 - - 6,200 17724 Main - Primary Carliffer Exhaust Fan Replacment 5,000 (5,000) - - 10,000 17725 Main - Sump #3 Modification 10,000 15,070 1 23,424 17726 Hadworks Equipment Rehab/Replacment 10,000 15,000 - 10,000 17727 Roif Replacement - Ogester 2,070 <t< th=""><th>#</th><th>Description</th><th>Budget</th><th>Carryovers</th><th>Adj.</th><th>Budget</th><th>Encumbrance</th><th></th><th>Remaining</th><th>Expended</th></t<>	#	Description	Budget	Carryovers	Adj.	Budget	Encumbrance		Remaining	Expended
17716 FOG - Strain Press 200,000 - 148,570 51,433 17717 Energy Audit - ED Pole/Arm Mounted Fixtures 78,100 50,000 128,100 - 1,013 127,003 17718 Energy Audit - ED Pole/Arm Mounted Fixtures 78,100 50,000 128,100 - 1,013 127,003 17719 Lab - Smpler 4700 - Pretreatment 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 35,000 155,524 1,714 17,366 17724 Main - Primary Clarifier Exhaust Fan Replacment 5,000 (5,000) - - - 10,000 TREATMENT - STRUCTURES 17725 Main - Sump #3 Modification 10,000 100,000 110,000 54,605 17,830 37,563 17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 110,000 54,605 17,830 37,563 17727 Roof Replacement - AB/Bower Building 40,0							-		59,503	1%
17717 Energy Audit - Odor Control VFD 51,700 51,700 4,624 - 47,077 17718 Enery Audit - LED Pole/Arm Mounted Fixtures 78,100 50,000 128,100 - 1,013 127,081 17719 Lab - Smpler 4700 - Pretrestment 7,500 - - 6,700 17720 Lab - Smpler 4700 - Pretrestment 7,500 - - 6,200 17721 Lab - Chlorophyll Analyzer - Pond Water 5,400 8,000 155,924 1,714 17,366 17722 Main - Stationary Gas Detector Replacment 8,700 (8,700) - - - 6,200 17724 Main - Finary Claffier Exhaust Fan Replacment 5,000 (6,000) - - 10,000 17725 Main - Sump #3 Modification 10,000 100,000 110,000 54,605 17,830 37,856 17727 Rof Replacement - Digester 2nd Floor 125,000 (10,000) 110,000 54,605 17,380 37,366 17728 Pack Replacement - Jegester 2nd Floor 125,000 (10,000) 13,600 - 1,017 72,493			-		11,200	23,000	14,041	7,575	1,384	33%
17718 Enery Audit - LED Pole/Arm Mounted Fixtures 78,100 50,000 128,100 - 1,013 127,085 17719 Lab - Smpler 4700 - Pretreatment 7,500 . - 6,700 177210 Lab - Smpler 4700 - Pretreatment 7,500 . - 7,500 17721 Lab - Chlorophyll A Analyzer - Pond Water 5,400 800 6,200 . - 6,200 17722 Main - Stationary Gas Detector Replacment P1 2 140,000 35,000 175,000 155,924 1,714 17,360 17725 Main - Primary Clarifier Exhaust Fan Replacment 5,000 (6,000) - - 10,000 17726 Main - Statuonary Clarifier Exhaust Fan Replacment 10,000 100,000 100,000 100,000 - - 10,000 17726 Main - Statuorust Replacement - Diseter 2 and Floor 125,000 (10,000) 110,000 - - 20,000 17727 Roof Replacement - Ab/Blower Building 40,000 10,000 115,000 - - 20,000 17728 Roof Replacement - Ab/Blower Building 40,000 10,0000 </td <td>17716</td> <td>FOG - Strain Press</td> <td>200,000</td> <td></td> <td></td> <td>200,000</td> <td>-</td> <td>148,570</td> <td>51,430</td> <td>74%</td>	17716	FOG - Strain Press	200,000			200,000	-	148,570	51,430	74%
17719 Lab - Smpler 4700 - Pretreatment 7,500 - - 6,700 17720 Lab - Smpler 4700 - Pretreatment 7,500 - - 7,500 17721 Lab - Simpler 4700 - Pretreatment 7,500 - - 7,500 17722 Main - Stationary Gas Detector Replacment Ph 2 140,000 35,000 175,000 155,924 1,714 17,366 17723 Main - Stationary Gas Detector Replacment 88,700 (88,700) - - 10,000 17725 Main - Stationary Gas Detector Replacment 5,000 (5,000) - - 10,000 17725 Main - Sump #3 Modification 10,000 100,000 100,000 10,000 - 10,000 17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 110,000 54,605 17,830 37,565 17727 Roof Replacement - A8/slower Building 40,000 5,000 45,000 - - 20,000 15717 Isolaton Vaive on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,10,71 72,493 <	17717	Energy Audit - Odor Control VFD	51,700			51,700	4,624	-	47,076	-
17720 Lab - Smpler 4700 - Pretreatment 7,500 - - 7,500 17721 Lab - Chlorophyll A Analyzer - Pond Water 5,400 800 6,200 - - 6,200 17722 Main - Stotnory Gas Detector Replacment Ph 2 140,000 35,000 155,924 1,714 173,66 17723 Main - Notork Actuator Replacment 88,700 (5,000) - - - 0,000 17724 Main - Stotnory Gas Detector Replacment 5,000 (5,000) - - - 0,000 17725 Main - Stornory Gas Detector Replacment 10,000 100,000 100,000 - - 100,000 17726 Main Sump #3 Modification 0.000 100,000 115,000 - 12,3,429 17727 Rof Replacement - Digester Jn Floor 125,000 (10,000) 110,000 5,4605 17,830 37,560 17728 Rof Replacement - Al/Blower Building 40,000 5,000 45,000 - 1,017,13 4,426 17727 Rof Replacement - Al/Blower Building 40,000 10,000 73,600 - <td< td=""><td>17718</td><td>Enery Audit - LED Pole/Arm Mounted Fixtures</td><td>78,100</td><td></td><td>50,000</td><td>128,100</td><td>-</td><td>1,013</td><td>127,087</td><td>1%</td></td<>	17718	Enery Audit - LED Pole/Arm Mounted Fixtures	78,100		50,000	128,100	-	1,013	127,087	1%
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 17723 Main - Rotork Actuator Replacment 85,000 - 10,000 - - - 10,000 - - - 10,000 - - - 10,000 - - 10,000 110,000 54,605 17,830 37,561 17727 Rof Replacement - Digester 2nd Floor 125,000 (10,000) 135,000 - 110,713 4,883 17728 Rof Replacement - AB/Biower Building 40,000 5,000 43,162 1,830 173,683 1773 1,107 72,492	17719	Lab - Smpler 4700 - Pretreatment	7,500		(800)	6,700	-	-	6,700	-
17722 Main - Stationary Gas Detector Replacment Ph 2 140,000 35,000 175,000 155,924 1,714 17,360 17723 Main - Rotork Actuator Replacment 88,700 - - - 17724 Main - Stump #3 Modification 10,000 10,000 - - 10,000 17725 Main - Stump #3 Modification 10,000 10,000 - - 10,000 TREATMENT - STRUCTURES 13724 IPS Expansion - 38,700 38,700 15,270 1 23,429 17727 Koff Replacement - Objester 2nd Floor 125,000 (10,000) 110,713 4,283 17728 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 20,000 SECVLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 (18,400) (1,0000) 301,600 27,998 100,815 173,839 17731 Jameson Odif	17720	Lab - Smpler 4700 - Pretreatment	7,500			7,500	-	-	7,500	-
17723 Main - Rotork Actuator Replacment 88,700 (88,700) - - - - 10,000 17724 Main - Sump #3 Modification 10,000 10,000 - - 10,000 17725 Main - Sump #3 Modification 10,000 10,000 10,000 - - 10,000 17725 Main - Sump #3 Modification 10,000 38,700 38,700 15,270 1 23,423 17726 Headworks Equipment Rehab/Replacment 10,000 100,000 110,000 - 110,713 4,283 17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 115,000 - 110,713 4,283 17729 DAF Access Opening 20,000 5,000 45,000 - 20,000 SCADA REYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (15,000) - - - - 1	17721	Lab - Chlorophyll A Analyzer - Pond Water	5,400		800	6,200	-	-	6,200	-
17724 Main - Primary Clarifier Exhaust Fan Replacment 5,000 (5,000) - - 10,000 17725 Main - Sump #3 Modification 10,000 10,000 - - 10,000 TREATMENT - STRUCTURES 13724 IPS Expansion - 38,700 15,270 1 23,423 17726 Headworks Equipment Rehab/Replacment 10,000 100,000 110,000 54,605 17,830 37,566 17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 115,000 - 110,713 4,283 17728 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 20,000 SECADA ECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,492 16716 Line Recycled Water Reservoir 1,320,000 (15,000) - - - - 17773 Jameson Solids Pad Dump Bay 15,000 (15,000) - - - - <	17722	Main - Stationary Gas Detector Replacment Ph 2	140,000		35,000	175,000	155,924	1,714	17,362	1%
17725 Main - Sump #3 Modification 10,000 - - 10,000 TREATMENT - STRUCTURES 13724 IPS Expansion - 38,700 38,700 15,270 1 23,425 17725 Headworks Equipment Rehab/Replacment 10,000 100,000 110,000 54,605 17,830 37,565 17727 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 43,162 1,833 17729 DAF Access Opening 20,000 5,000 45,000 - - 20,000 SECADA RECYCLING - DISTRICT 13717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 (14,400 10,000 73,600 - 1,107 72,493 17730 Jameson Solids Pad Dump Bay 15,000 (15,000) - - - - 17731 Jameson Solids Pad Dump Bay 15,000 (15,000) - 15,832 4,406 17731 Jameson Solids Pad Dump Bay 15,000 25,000 - 588 24,412 177	17723	Main - Rotork Actuator Replacment	88,700		(88,700)	-			-	-
TREATMENT - STRUCTURES 13724 IPS Expansion - 38,700 15,270 1 23,425 17726 Headworks Equipment Rehab/Replacment 10,000 100,000 110,000 54,605 17,830 37,565 17727 Roof Replacement - Objester 2nd Floor 125,000 (10,000) 115,000 - 110,713 4,285 17729 DaF Access Opening 20,000 5,000 43,162 1,833 17729 DaF Access Opening 20,000 20,000 - - 20,000 SECULING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,0000 73,600 - 1,107 72,493 16716 Ine Recycled Water Reservoir 1,320,000 (18,400) (15,000) -	17724	Main - Primary Clarifier Exhaust Fan Replacment	5,000		(5,000)	-			-	-
13724 IPS Expansion - 38,700 38,700 15,270 1 23,423 17726 Headworks Equipment Rehab/Replacment 10,000 100,000 110,000 54,605 17,830 37,565 17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 115,000 - 110,713 44,285 17728 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 43,162 1,833 17729 DAF Access Opening 20,000 5,000 45,000 - - 20,000 SECADA ECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,498 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,636 17731 Jameson Office Trailer Replacment 25,000 - - - - - 167,602 28,000 50,000 33,000 - 30,000 2,100 165,932	17725	Main - Sump #3 Modification	10,000			10,000	-	-	10,000	-
17726 Headworks Equipment Rehab/Replacment 10,000 100,000 110,000 54,605 17,830 37,565 17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 115,000 - 110,713 4,283 17728 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 43,162 1,838 17729 DAF Access Opening 20,000 5,000 43,602 1,838 SCADA RECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 17,363 17730 Jameson Office Trailer Replacment 25,000 -		TREATMENT - STRUCTURES								
17727 Roof Replacement - Digester 2nd Floor 125,000 (10,000) 115,000 - 110,713 4,285 17728 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 43,162 1,833 17729 DAF Access Opening 20,000 20,000 - - 20,000 SCADA RECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,683 17730 Jameson Solids Pad Dump Bay 15,000 - - - - 17731 Jameson Office Trailer Replacment 25,000 25,000 - 588 24,412 17733 Vehicle 1712 - Ford F150 28,000 5,000 33,000 - 30,900 2,100 RECYCLING - EXPANSION EXYCLING - EXPANSION 13727 North Bay Wate Reuse Project 845,000 <td>13724</td> <td>IPS Expansion</td> <td>-</td> <td>38,700</td> <td></td> <td>38,700</td> <td>15,270</td> <td>1</td> <td>23,429</td> <td>0%</td>	13724	IPS Expansion	-	38,700		38,700	15,270	1	23,429	0%
17728 Roof Replacement - AB/Blower Building 40,000 5,000 45,000 - 43,162 1,838 17729 DAF Access Opening 20,000 20,000 - - 20,000 SECADA RECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,633 17730 Jameson Solids Pad Dump Bay 15,000 (18,400) 12,0000 - </td <td>17726</td> <td>Headworks Equipment Rehab/Replacment</td> <td>10,000</td> <td></td> <td>100,000</td> <td>110,000</td> <td>54,605</td> <td>17,830</td> <td>37,565</td> <td>16%</td>	17726	Headworks Equipment Rehab/Replacment	10,000		100,000	110,000	54,605	17,830	37,565	16%
17729 DAF Access Opening 20,000 - - 20,000 SCADA RECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,683 17730 Jameson Solids Pad Dump Bay 15,000 (15,000) - 100,815 173,683 14102 40,616 1459,932 4	17727	Roof Replacement - Digester 2nd Floor	125,000		(10,000)	115,000	-	110,713	4,287	96%
SCADA RECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,683 17730 Jameson Solids Pad Dump Bay 15,000 - 17733 Vehicle 710 - 8830 Tractor 200,000 (30,000) 170,000 - 30,900 2,010 - 30,9	17728	Roof Replacement - AB/Blower Building	40,000		5,000	45,000	-	43,162	1,838	96%
RECYCLING - DISTRICT 15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,683 17730 Jameson Solids Pad Dump Bay 15,000 (15,000) - 10,830 1733 8 24,012 10,000 165,932 4,0668 17733 Vehicle 172 - Ford F150 28,000 5,000 33,000 - 283,881 561,1	17729	DAF Access Opening	20,000			20,000	-	-	20,000	-
15717 Isolation Valve on Kirkland Line (Devlin Rd) 49,200 14,400 10,000 73,600 - 1,107 72,493 16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,683 17730 Jameson Solids Pad Dump Bay 15,000 (15,000) -		SCADA								
16716 Line Recycled Water Reservoir 1,320,000 (18,400) (1,000,000) 301,600 27,098 100,815 173,687 17730 Jameson Solids Pad Dump Bay 15,000 (15,000) - <td></td> <td>RECYCLING - DISTRICT</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		RECYCLING - DISTRICT								
17730 Jameson Solids Pad Dump Bay 15,000 -	15717	Isolation Valve on Kirkland Line (Devlin Rd)	49,200	14,400	10,000	73,600	-	1,107	72,493	2%
17731Jameson Office Trailer Replacment25,00025,000-58824,41217732Vehicle 710 - 8830 Tractor200,000(30,000)170,000-165,9324,06817733Vehicle 172 - Ford F15028,0005,00033,000-30,9002,100 RECYCLING - EXPANSION 13727North Bay Wate Reuse Project845,000-283,881561,11914726MST RW Pipeline Construction-500,000305,80916,334177,85714727Split N/S Lines, surge protection-500,000(98,000)402,000318,92439,39843,67815718LCWD Recycled Water Pipeline - Construction-500,000(700)1,199,300193,233190,146815,92316722MST RW Pipeline Extension1,200,000(700)231,800-133,29598,50513729Development Technical Support231,800231,800-133,29598,505	16716	Line Recycled Water Reservoir	1,320,000	(18,400)	(1,000,000)	301,600	27,098	100,815	173,687	33%
17732 Vehicle 710 - 8830 Tractor 200,000 (30,000) 170,000 - 165,932 4,068 17733 Vehicle 172 - Ford F150 28,000 5,000 33,000 - 30,900 2,100 RECYCLING - EXPANSION 13727 North Bay Wate Reuse Project 845,000 - 283,881 561,112 14726 MST RW Pipeline Construction - 500,000 305,809 16,334 177,857 14727 Split N/S Lines, surge protection - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 13729 Development Technical Support 231,800 - 133,295 98,505	17730	Jameson Solids Pad Dump Bay	15,000		(15,000)	-	-	-	-	-
17733 Vehicle 172 - Ford F150 28,000 5,000 33,000 - 30,900 2,100 RECYCLING - EXPANSION 13727 North Bay Wate Reuse Project 845,000 - 283,881 561,119 14726 MST RW Pipeline Construction - 500,000 305,809 16,334 177,857 14727 Split N/S Lines, surge protection - 500,000 500,000 10,615 19,506 19,879 15718 LCWD Recycled Water Pipeline - Construction - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 OTHER 13729 Development Technical Support 231,800 - 133,295 98,505	17731	Jameson Office Trailer Replacment	25,000			25,000	-	588	24,412	2%
RECYCLING - EXPANSION 845,000 845,000 - 283,881 561,119 13727 North Bay Wate Reuse Project 845,000 - 283,881 561,119 14726 MST RW Pipeline Construction - 500,000 305,809 16,334 177,857 14727 Split N/S Lines, surge protection - 500,000 500,000 10,615 19,506 19,879 15718 LCWD Recycled Water Pipeline - Construction - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 13729 Development Technical Support 231,800 231,800 - 133,295 98,505	17732	Vehicle 710 - 8830 Tractor	200,000		(30,000)	170,000	-	165,932	4,068	98%
13727 North Bay Wate Reuse Project 845,000 - 283,881 561,119 14726 MST RW Pipeline Construction - 500,000 305,809 16,334 177,857 14727 Split N/S Lines, surge protection - 50,000 50,000 10,615 19,506 19,876 15718 LCWD Recycled Water Pipeline - Construction - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 OTHER 13729 Development Technical Support 231,800 231,800 - 133,295 98,505	17733	Vehicle 172 - Ford F150	28,000		5,000	33,000	-	30,900	2,100	94%
14726 MST RW Pipeline Construction - 500,000 305,809 16,334 177,857 14727 Split N/S Lines, surge protection - 50,000 50,000 10,615 19,506 19,876 15718 LCWD Recycled Water Pipeline - Construction - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 OTHER 13729 Development Technical Support 231,800 - 133,295 98,505		RECYCLING - EXPANSION								
14727 Split N/S Lines, surge protection - 50,000 10,615 19,506 19,876 15718 LCWD Recycled Water Pipeline - Construction - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 OTHER 13729 Development Technical Support 231,800 - 133,295 98,505	13727	North Bay Wate Reuse Project	845,000			845,000	-	283,881	561,119	34%
15718 LCWD Recycled Water Pipeline - Construction - 500,000 (98,000) 402,000 318,924 39,398 43,678 16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 OTHER 13729 Development Technical Support 231,800 - 133,295 98,505	14726	MST RW Pipeline Construction	-	500,000		500,000	305,809	16,334	177,857	3%
16722 MST RW Pipeline Extension 1,200,000 (700) 1,199,300 193,233 190,146 815,921 OTHER 13729 Development Technical Support 231,800 - 133,295 98,505	14727	Split N/S Lines, surge protection	-	50,000		50,000	10,615	19,506	19,879	39%
OTHER 13729 Development Technical Support 231,800 231,800 - 133,295 98,505	15718	LCWD Recycled Water Pipeline - Construction	-	500,000	(98,000)	402,000	318,924	39,398	43,678	10%
13729 Development Technical Support 231,800 231,800 - 133,295 98,505	16722	MST RW Pipeline Extension	1,200,000	(700)		1,199,300	193,233	190,146	815,921	16%
		OTHER								
	13729		231,800			231,800	-	133,295	98,505	58%
16/1/ Admin/Engineering Bidg - Acoustic improvements - 10,000 10,000 10,000	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	GRAND	TOTAL ALL PROJECTS	\$17,180,700	\$2,103,250	-	\$19,283,950	\$2,654,380	\$5,690,962	\$10,938,610	30%