

# **Napa Sanitation District**

# **General Manager's Report**

# for

# November, 2018

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# NAPA SANITATION DISTRICT



DATE:	January 16, 2019
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FROM: Timothy B. Healy, General Manager

General Manager's Report for November 2018 **SUBJECT:** 

# **<u>REGULATORY COMPLIANCE</u>**:

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

## FISCAL STATUS:

Period Covered:	July 1, 2018 – November 30, 2018
Percent Fiscal Year:	41.7%
Operating Expenditures to date:	42.8%
Historical Expenditures to date:	44.2%
Significant Comments:	None

**<u>PERSONNEL:</u>** Significant events for the month of November 2018 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	Sean Warner promoted to Collection System Technician
<b>Recruitment Activities:</b>	Continued recruitment for Operator-in-Training/Operator I
Injuries:	None

Summaries of Operational Highlights are on following pages.

# **COLLECTIONS**:

Significant events for the month of November 2018 in Collection System Maintenance include:

- The District had 1 Category 1 Sanitary Sewer Overflows (SSO's), 0 Category 2 SSO's and 5 Category 3 SSO's during the month. (A Category 1 is defined as an SSO that reached a drainage channel and/or surface water or; an SSO that reached a storm drainpipe that was not fully recovered and returned to the sanitary sewer system. A Category 2 is defined as an SSO that is equal to or greater than 1,000 gallons that did not reach a surface water. A Category 3 is defined as an SSO that is less than 1,000 gallons that did not reach a surface water. These are usually minor overflows of less than 10 gallons from cleanouts on District laterals that can be cleaned up by the crews.)
- The repair crew installed 9 cleanouts and repaired 5 cleanouts. They also repaired 1 lateral and installed 3 lateral liners. Additionally, the service response/programs crew completed 88 work orders in support of the grease and odor control program, responded to 65 customer requests for service (22 were NSD problem) and closed out 180 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 78 laterals, root foamed 6 laterals, cleaned approximately 51,182 feet of main line and CCTV inspected 135 laterals. In addition, the CCTV truck televised 17,501 feet of mainline.

# TREATMENT PLANT:

Significant events for the month of November 2018 in the Treatment Plant Department:

# Plant Operations:

- For November 2018, the plant's influent flow was 208.8 MG as compared to last year flow for November 2017 of 205.5 MG
- Flow to the Napa River for November 2018 was 263.8 MG compared to last year's flow of 305.8 MG.
- The production of recycle quality occurred for 21 days during November 2018 with a total distributed flow of 17.71 MG.
- There was 3.23" rainfall for November 2018 (Carneros Rainfall Center) as compared to 2.49" rainfall for November 2017.
- Pond 4 end of the month recorded level reading was 43.85" as compared to November 2017 of 33.06". Total remaining pond capacity for November 2018 was 49.9% as compared to November 2017 remaining capacity of 54.7%.

Power Consumption and Production:

- This November power consumption purchased from PG&E was 409 MWH in comparison to November 2017 purchase of 433 MWH.
- Cogeneration unit ran 716 of 720 hours for the month 99.44% uptime, averaging 348.52 Kw, producing 251 MWH of energy.
- Solar generation in November was 83 MWH, compared to 99 MWH in October.

#### Maintenance:

Significant events for the month of November 2018:

#### Process Maintenance

- Cogeneration unit monthly emission test in compliance with BAAQMD permit
- Westside Lab Sampler/replaced temperature sensor
- Replaced 6 wheels on DAFT skimmer assembly Cogen service:
  - Changed oil and filters
  - Replaced pre-air filter and main air filter
- Change Siloxane Filters Media
- Replaced Gas Compressor roof fan #107
- Installed ceramic high temperature thermocouple's for flare

### Projects

- Equipment Audit;
  - o Blower Building
  - Aeration Basins/AB Gallery
- Completed CIP 19716/ Rebuild Motor & Pump #3 at P-4 Pump Station
- Install EV/PEV charging stations (CIP 19726)
- Completed rebuild of Digester Recirculation Pump #1

## Standby Power

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

## Influent Pumps

• All pumps operational

## Laboratory:

Effluent (EFF-001) Summary

There were no violations of **Effluent** limits during the month of November, 2018. All parameters were monitored at the required frequencies. The following were notable sampling events:

- November 6, 2018: Metals, Cyanide, Mercury, Nutrients, PCB Congeners
- November 5-9, 2018: Acute Toxicity Bioassay
- November 13, 2018: Nutrients

The Total Residual Chlorine limit was exceeded once during the reporting period

• November 3, 2018 @ 2329: 0.08 mg/L Chlorine, 1 minute duration.

Influent (INF-001) Summary

Monthly **Influent** monitoring of all parameters occurred at the required frequencies. The following were notable sampling events:

• November 6, 2018: Metals, Cyanide, Mercury, Volatile/Semivolatile Organics

# **<u>RECYCLING</u>**:

Significant events in the Recycling Department for November 2018 include:

- Recycled water delivered for the month of November 2018 was (22.628 million gallons), as compared to November 2017 (12.095 million gallons) is higher from the previous year due to commercial landscape and vineyard demand. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff approved one connection in the MST area.
- Staff continued land application of biosolids on Jameson Reuse Site for the reporting period.

## **POLLUTION PREVENTION:**

Significant events in the Pollution Prevention and Outreach Division November 2018 include:

- There was 1 tour of the treatment plant given to community members.
- The weight of pharmaceuticals collected in November at Family Drug in Napa was 56 pounds. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 21,521.2 pounds.
- There were 29 ESME Washer Rebates issued this month for a total of \$1,450.

# ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

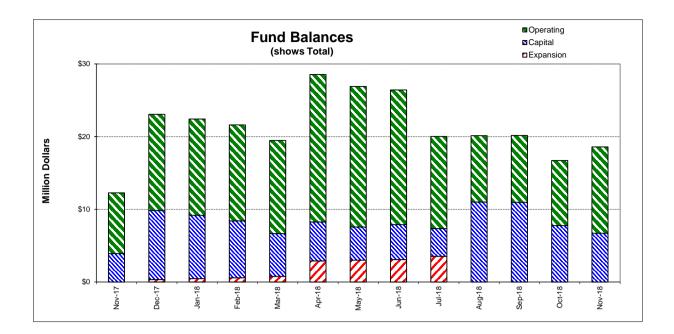
Significant events occurring in the Engineering Division for November 2018 include:

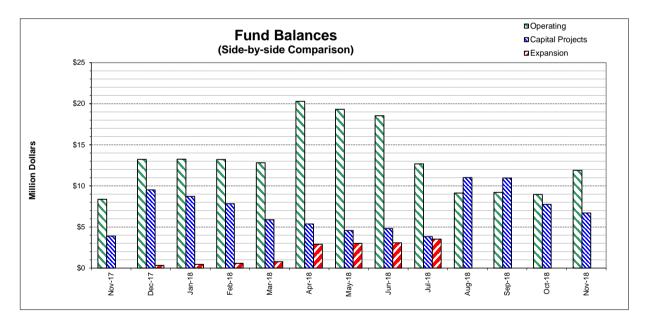
- Consultant continued work on the SCADA Master Plan.
- Contractor continued construction of the Headworks Equipment Replacement Project.
- Staff continued receiving deliveries of floating reservoir covers for the Recycled Water Reservoir Improvements Project.
- Contractor continued construction of the 2018 Collection System Rehabilitation Project.
- Staff received and responded to questions from prospective bidders and issued two addenda for the Southeast Napa Sewer and Roadway Rehabilitation Project.
- Consultant continued condition assessment phase for the 66-inch Trunk Sewer Rehabilitation Project.

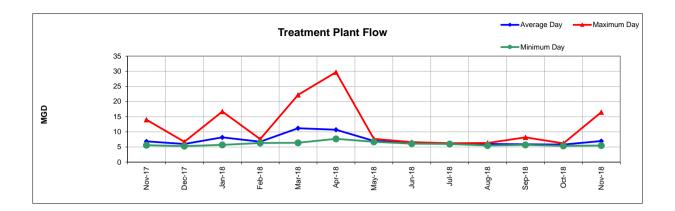
- Consultant continued condition assessment phase for the Primary Clarifier Rehabilitation Project.
- Consultant completed the design of the Browns Valley Trunk Project and staff issued notice inviting bids.
- Consultant continued design of the West Napa Pump Station Project.
- Consultant and Staff continued work on Phase 1A and Phase 1B of the Asset Management Program.
- Contractor continued construction of the 2018 Treatment Plant Improvement Project.
- Staff and consultant continued design of the 2019 Treatment Plant Improvement Project.
- Staff continued design of the Pond Transfer Structure Project
- Consultant continued working on the Collection System Master Plan.
- Staff and Consultant started design of the MST Truck Fill Station.
- Staff reviewed 30 sets of development plans and deemed 14 sets of plans complete. The approved plans consisted of 8 tenant improvements, 4 residential dwellings, 1 commercial building, and 1 residential lateral.

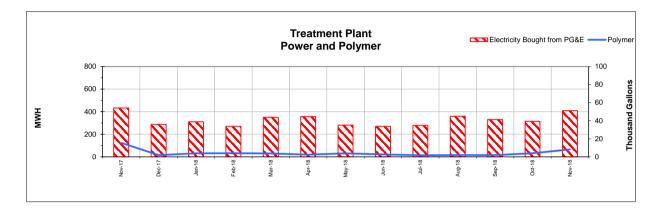
#### Budget Status & Cash Summary - July 1, 2018 - November 30, 2018 (41.7% of the year)

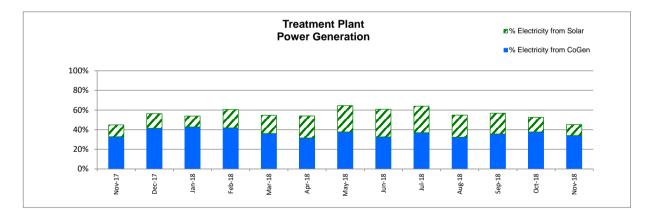
Expenditures	FY 18/19 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance (	Percent Committed
Operating	Budget	Lindanishandes	to date	to date	Bulance	Johnnieteu
Salaries & Benefits	\$9,961,350	\$2,353	\$3,729,332	\$3,731,685	\$6,229,665	37.5%
Services & Supplies	\$6,160,950	1,218,844	1,905,882	3,124,726	3,036,224	50.7%
Taxes	29,150	-	-	-	29,150	0.0%
Debt Service	4,593,800	-	3,619,603	3,619,603	974,198 🕦	78.8%
Intrafund Transfers	8,900,000	-	2,225,000	2,225,000	6,675,000	25.0%
Total Operating:	\$29,645,250	\$1,221,197	\$11,479,816	\$12,701,014	\$16,944,236 2	42.8%
<u>Capital</u>						
Bldgs/Improvements & Equip	\$32,410,100	\$7,275,589	\$5,667,170	\$12,942,759	\$19,467,341 3	39.9%
Intrafund Transfers	7,250,000	-	4,357,059	4,357,059	2,892,941	60.1%
Total Capital :	\$39,660,100	\$7,275,589	\$10,024,228	\$17,299,818	\$22,360,282	43.6%
Grand Total Expenditures:	\$69,305,350	\$8,496,786	\$21,504,045	\$30,000,831	\$39,304,519	43.3%
	FY 18/19		Revenues	Revenues	Unposted	Percent
Revenues	Budget	Encumbrances	to date	posted to date	Revenue	Posted
Operating						
Use of Money/Property	\$1,036,000		\$459,970	\$459,970	\$576,030	44.4%
Charges for Services	29,571,800		5,333,772	5,333,772	24,238,028	18.0%
Miscellaneous Revenues	63,000		35,423	35,423	27,577	56.2%
Donations/Contributions (Capital Labor)	-		360,113	360,113	(360,113) 👍	N/A
Total Operating:	\$30,670,800		\$6,189,279	\$6,189,279	\$24,481,521	20.2%
<u>Capital</u>			-			
Use of Money/Property	\$0		\$0	\$0	\$0	N/A
Capacity Charges	4,614,600		1,308,925	1,308,925	3,305,675	28.4%
Intergovernmental	375,000		4,528	4,528	370,472	1.2%
Bond/Loan Proceeds	9,075,000		-	-	9,075,000	0.0%
Sale of Assets	25,000		81,370	81,370	(56,370)	N/A
Miscellaneous Revenues	5,000		-	-	5,000	N/A
Intrafund Transfers	16,150,000		6,582,059	6,582,059	9,567,941	40.8%
Total Capital:	\$30,244,600		\$7,976,882	\$7,976,882	\$22,267,718	26.4%
Grand Total Revenue:	Ş60,915,40 <b>0</b>		Ş14,166,161	Ş14,166,161	\$46,749,239	23.3%
Cash on Hand as of 11/30/18 **excluding Debt Service restricted funds 11/30/18 -Effective Rate of Return = 1.94%	<u>\$18,586,000</u>	<ol> <li>Includes</li> <li>See Capit</li> </ol>	12A's and 2017's princ Debt Service and Intra al Project Status repo Labor for Capital Proje	fund Transfers; other t for details		

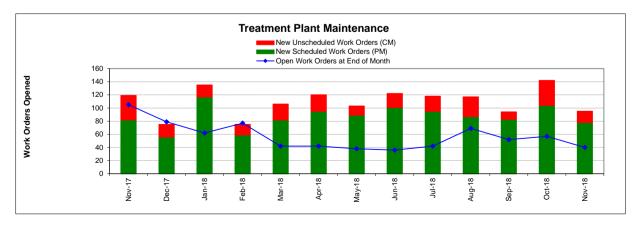


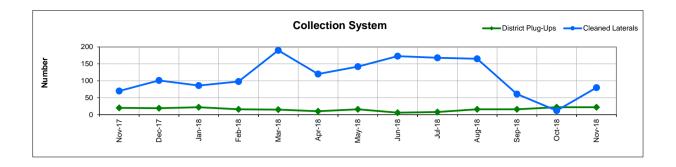


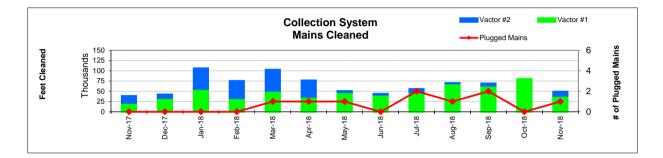


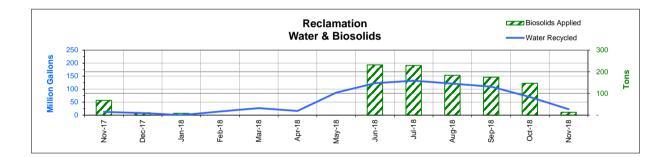


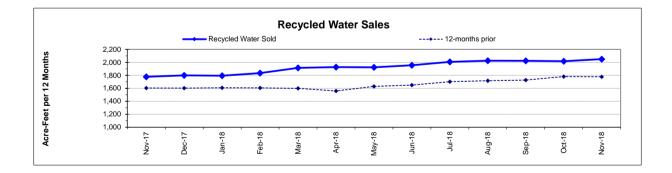












CATEGORY	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
(Thousand Dollars)													
7800 7850	8,372	13,220 -	13,251 -	13,210 -	12,818 -	20,290	19,326 -	18,538 -	12,676 -	9,123 -	9,204 -	8,951 -	11,888 -
Subtotal Operating	8,372	13,220	13,251	13,210	12,818	20,290	19,326	18,538	12,676	9,123	9,204	8,951	11,888
Capital Improvement Projects Debt Proceeds	3,897	9,514 -	8,720 -	7,830 -	5,877 -	5,365 -	4,573	4,808	3,825 -	11,009 -	10,956 -	7,755 -	6,698
Subtotal Capital	3,897	9,514	8,720	7,830	5,877	5,365	4,573	4,808	3,825	11,009	10,956	7,755	6,698
Total Discretionary Funds	12,269	22,734	21,971	21,040	18,695	25,655	23,899	23,346	16,501	20,132	20,160	16,706	18,586
Expansion Fund (Restricted)	-	332	449	577	775	2,898	3,007	3,075	3,520	-	-	-	-
Total Restricted Funds	-	332	449	577	775	2,898	3,007	3,075	3,520	-	-	-	-
TOTAL ALL FUNDS	12,269	23,066	22,420	21,617	19,470	28,553	26,906	26,421	20,021	20,132	20,160	16,706	18,586

#### **DEVELOPMENT WORKLOAD - MONTHLY**

CATEGORY	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
Phone Requests													
Maps/Drawings	3	3	6	6	6	3	6	8	4	2	2	3	1
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	8	6	4	12	17	5	9	8	9	10	4	6	3
Development Questions	40	23	55	63	39	44	79	80	61	63	28	70	41
Miscellaneous	3	10	8	7	15	11	17	27	37	24	26	20	18
TOTAL	54	42	73	88	77	63	111	123	111	99	60	99	63
Counter Requests													
Maps/Drawings	-	-	1	-	-	-	1	1	-	3	-	1	-
Lateral Permits	5	7	11	9	17	12	10	12	9	9	3	9	5
Policy Questions	1	2	-	2	2	-	1	-	2	3	-	2	-
Development Questions	9	9	7	9	15	11	13	12	12	9	5	6	6
Miscellaneous	-	1	1	1	3	-	1	1	2	2	2	0	-
TOTAL	15	19	20	21	37	23	26	26	25	26	10	18	11
Initial Request (Referrals)	17	5	7	13	20	15	20	13	13	17	16	21	20
<b>Connection Permits Issued</b>													
Residential Permits	1	5	3	12	19	16	3	3	5	16	9	1	1
Commercial Permits	2	3	5	3	1	3	2	3	5	5	1	-	2
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	
TOTAL PERMITS	3	8	8	15	20	19	5	6	10	21	10	1	3
Residential Units	1	5	3	12	336	16	3	3	5	16	18	1	1
Commercial Units	2	3	5	3	1	102	174	3	5		1	-	2
TOTAL UNITS	3	8	8	15	337	118	177	6	10	24	19	1	3
Annexations													
Submitted	-	-	-	-	-	-	-	-	1	1	1	-	1
Acreage	-	-	-	-	-	-	-	-	0.60	11.60	5.79	-	158.20
Plans Reviewed													
Subdivisions/Sites													
First Submittal	2	3	9	19	18	14	4	10	10	18	9	10	10
Second Submittal	1	4	2	5	9	6	8	3	5	8	4	5	2
Third Submittal	2	3	5	4	6	2	2	2	3	3	4	2	1
Building/Tenant Improvements													
First Submittal	5	10	5	16	14	7	19	18	10	8	8	11	8
Second Submittal	10	3	1	2	9	1	7	6	8	6	1	5	6
Third Submittal	7	5	2	3	3	4	2	3	5	4	3	1	3
Miscellaneous Plan Reviews	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PLANS REVIEWED	27	28	24	49	59	34	42	42	41	47	29	34	30

#### **INSPECTION WORKLOAD - MONTHLY**

CATEGORY	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
CONSTRUCTION													
Locating Sewers	-	-	-	-	-	-	-	-	-	1	-	-	1
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	1	1	7	7	5	5	7	2	3	1	3	-	1
Inspections - Mains	-	5	-	20	6	2	4	-	2	6	11	1	-
Inspections - Manholes	45	62	41	38	13	16	25	12	-	6	76	76	21
Inspections - Laterals	7	15	23	26	23	17	25	15	7	13	3	8	3
Inspections - Cleanouts	11	10	31	36	24	26	43	7	3	2	2	6	8
Inspections - Review Video	-	-	-	-	1	2	-	17	1	-	2	-	1
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	-	1	-	-	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	64	93	102	127	72	68	104	53	17	29	97	91	35
MISCELLANEOUS													
Meter Readings	-	-	11	24	-	1	13	-	-	-	-	-	1
Washdown Facility Inspections	-	-	-	-	-	12	-	-	-	-	-	-	-
General Customer Assistance	30	25	26	18	38	11	28	21	40	27	31	50	25
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	30	25	37	42	38	24	41	21	40	27	31	50	26
SPECIAL PROJECTS	6	1	7	0	5	6	0	9	21	23	35	36	19

#### POLLUTION PREVENTION WORKLOAD - MONTHLY

CATEGORY	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
Outreach Activities													
Plant Tours Conducted	2	0	3	0	1	5	5	3	1	3	6	4	1
Presentations Made	0	0	0	0	2	1	5	0	1	0	2	10	0
Total Outreach Activities	2	-	3	-	3	6	10	3	2	3	8	14	1
Inspections Conducted													
Food Service Facilities	-	-	6	22	64	51	10	-	-	-	-	-	-
Auto Body & Car Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	1	-	-	-	-	-	-	-	-	-	-	-	1
Total Inspections	1	-	6	22	64	51	10	-	-	-	-	-	1
<u>Compliance Issues</u>													
NOVs Issued	-	1	-	3	2	2	1	3	-	3	1	2	1
NOEs Issued	-	1	1	3	-	1	-	1	-	1	-	1	1
Non-Compliant-FOG	-	1	-	-	-	-	-	-	-	-	-	-	-
Total Compliance Issues	-	3	1	6	2	3	1	4	-	4	1	3	2
Pollution Prevention													
Clothes Washer Rebates	-	-	25	14	21	-	8	21	-	-	-	-	29
Toilet Retrofit Rebates	-	-	-	-	-	-	-	-	-	-	-	-	-
Pharmaceuticals Diverted (in lbs)	63	-	35	-	82	66	-	74	90	65	61	68	56

	Acres	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
MONTHLY (MG)														
Water Sold														
Golf Courses	405.0	5.504	6.253	0.001	6.152	2.748	3.320	52.726	68.294	64.047	57.269	44.197	23.612	3.322
Cemeteries	57.1	0.193	0.003	-	0.005	0.154	0.385	3.183	3.643	4.903	4.920	4.142	3.239	2.872
Parks	18.5	0.020	-	-	-	-	-	0.823	0.949	1.051	0.846	0.527	0.050	0.611
Schools	21.0	0.195	0.019	-	0.255	0.198	0.242	1.727	2.151	2.122	2.044	1.571	1.231	0.745
Commerical	167.6	4.387	1.402	-	1.835	1.765	3.169	9.893	12.414	15.863	19.184	16.950	19.637	7.652
Vineyards	564.0	1.766	0.225	-	5.695	21.988	8.001	6.377	21.260	43.468	32.727	21.248	9.649	7.015
Trucked Water	175.0	0.030	0.014	-	0.017	0.029	0.880	0.143	0.737	0.666	0.637	0.399	0.289	0.403
Subtotal Sales	1,408.2	12.095	7.916	0.001	13.960	26.881	15.996	74.872	109.448	132.120	117.628	89.035	57.707	22.620
District Use														
Jameson	330.0	-	-	-	0.077	-	-	-	-	-	0.163	4.785	-	-
Somky	213.0	-	-	-	-	-	-	11.710	13.263	0.208	3.226	15.447	12.002	0.008
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	-	-	-	0.077	-	-	11.710	13.263	0.208	3.389	20.232	12.002	0.008
TOTAL DELIVERED	2,001.7	12.095	7.916	0.001	14.037	26.881	15.996	86.582	122.711	132.327	121.016	109.266	69.709	22.628
ANNUAL (AF)														
<u>Water Sold</u> Golf Courses	405.0	1.045	1.064	1.064	1.083	1.091	1.093	1.091	1.097	1.067	1.063	1.035	1.025	1.019
Cemeteries	405.0 57.1	1,045	1,004	1,004	1,083	1,091	1,093	25	34	46	7,003 58	69	76	1,019 84
Parks	18.5	10	10	10	10 14	10	14	25 14	54 14	40 14	58 14	09 14	70 13	04 15
Schools	21.0	36	36	36	37	37	38	39	38	37	37	37	36	38
Commerical	167.6	325	328	324	329	333	335	318	303	298	303	309	327	337
Vineyards	564.0	336	336	336	353	420	423	427	460	534	540	550	529	545
Trucked Water	175.0	6	5	5	5	-20		8	400 10	11	11	12	12	13
Subtotal Sales	1,408.2	1,778	1,799	1,794	1,835	1,916	1,928	1,923	1,955	2,008	2,026	2,025	2,018	2,051
District Use														
Jameson	330.0	143	143	143	143	143	143	143	143	121	64	15	15	15
Somky	213.0	223	223	223	223	223	223	240	244	210	178	166	171	171
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	366	366	366	366	366	366	383	387	330	243	182	187	187
TOTAL DELIVERED	2,001.7	2,144	2,165	2,160	2,202	2,282	2,294	2,306	2,343	2,338	2,269	2,207	2,205	2,237

#### **BIOSOLIDS HANDLING - MONTHLY**

Site	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
Land Applied by NSD Somky Airport/Fagundes											175		
Jameson Canyon	68	11	8	-	-	-	-	232	229	184		147	13
Subtotal by NSD	68	11	8	-	-	-	-	232	229	184	175	147	13
Land Applied by Contractor Somky Airport/Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Land Applied	68	11	8	-	-	-	-	232	229	184	175	147	13
Off Site (Contractor)													
Total (tons)	68	11	8	-	-	-	-	232	229	184	175	147	13

#### COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
<u>Plugups</u>													
Total Calls	63	48	62	49	67	40	44	25	37	39	53	57	64
Business Hours	38	27	40	35	53	23	32	16	24	28	32	36	34
After Hours	25	21	22	14	16	17	12	9	9	11	21	21	30
District's	20	19	22	16	15	10	16	6	8	16	16	22	22
Property Owner's	43	29	40	33	40	30	28	19	29	23	36	35	41
Plugged Main Lines					1	1	1		2	1	2	-	1
Run Lateral w/Eel	70	101	86	98	190	120	142	173	168	165	61	12	80
<u>Cleaning (feet of sewer)</u>													
Vactor #1	21,500	33,612	55,782	33,391	51,027	36,507	47,937	41,767	48,278	69,132	63,968	80,207	38,882
Vactor #2	17,254	8,642	50,441	41,842	51,666	40,119	2,708	2,065	7,290	1,072	5,367	-	10,373
Hydro		1,251											
Rodder			765										
Total (feet)	38,754	43,505	106,988	75,233	102,693	76,625	50,645	43,832	55,568	70,204	69,335	80,207	49,254
Cleaning Days	20	19	33	24	33	27	21	20	19	22	22	22	20
Vactor #1	10	14	18	11	15	14	20	19	16	21	19	22	17
Vactor #2	10	5	14	13	18	13	1	1	3	1	3	-	3
Hydro													
Rodder			1										
Feet/day	1,950	2,300	3,250	3,150	3,100	2,850	2,400	2,200	2,900	3,200	3,150	3,650	2,450
Vactor #1	2,150	2,400	3,100	3,050	3,400	2,600	2,400	2,200	3,000	3,300	3,350	3,650	2,300
Vactor #2	1,750	1,750	3,600	3,200	2,850	3,100	2,700	2,050	2,450	1,050	1,800		2,050
Hydro													
Rodder			750										
Video Inspections													
Mains (feet)	10,767	6,320	17,644	12,878	21,714	18,530	26,140	18,248	18,188	27,761	18,443	31,889	17,526
Laterals (each)	172	186	114	122	211	179	197	223	266	234	232	297	201
Construction (each)													
Cleanouts	6	11	15	16	8	6	10	8	27	25	6	5	50
Laterals	1	1	1	4	1	10	24	10	9	8	8	4	4
Mains		1		1	-	•	-	-	-		-	1	-
Manholes						1	2			2	1	1	
Other	79					3							
USA Markings													
Regular (w/in 2 days)	363	210	281	277	266	280	282	277	397	296	286	378	159
Emergency (w/in 2 hours)	9	13	15	3	18	31	37						

#### WASTEWATER PLANT OPERATIONS DATA - MONTHLY

CATEGORY	Units	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
FLOWS		30	31	31	28	31	30	31	30	31	31	30	31	30
Influent	MG	205.5	186.3	254.0	189.3	347.0	321.5	216.7	191.0	189.8	186.1	176.1	180.0	208.8
Average Day	MGD	6.9	6.0	8.2	6.8	11.2	10.7	7.0	6.4	6.1	6.0	5.9	5.8	7.0
Maximum Day	Date	17-Nov	1-Dec	10-Jan	1-Feb	23-Mar	8-Apr	1-May	4-Jun	1-Jul	19-Aug	16-Sep	2-Oct	29-Nov
Maximum Day Flow	MG	14.0	6.7	16.7	7.6	22.2	29.7	7.7	6.6	6.3	6.3	8.2	6.2	16.5
Minimum Day	Date	1-Nov	26-Dec	2-Jan	24-Feb	1-Mar	30-Apr	31-May	27-Jun	6-Jul	22-Aug	21-Sep	31-Oct	1-Nov
Minimum Day Flow	MG	5.6	5.3	5.7	6.3	6.4	7.7	6.7	6.1	6.0	5.5	5.7	5.4	5.5
Effluent	MG	314.7	169.1	302.3	176.2	415.7	342.1	95.8	134.0	133.0	124.4	104.7	68.1	289.9
River Discharge	MG	305.8	163.8	302.0	164.6	398.9	319.8	-	-	-	-	-	-	263.8
Recycled Flow	MG	8.9	5.3	0.3	14.4	23.0	20.2	95.8	134.0	133.0	124.4	104.7	68.1	26.1
BIOSOLIDS	Tons	731	617	713	770	836	605	719	760	798	775	943	745	572
Wet Tons Generated from Pond	Tons													
Wet Tons Generated from Plant	Tons	731	617	713	770	836	605	719	760	798	775	943	745	572
% Solids Liquid	%													
% Solids Cake	%													
% Solids Land Application	%													
Wet Tons Hauled Offsite	Tons													
POLYMER USE	Gallons	15,506	1,939	3,839	3,931	3,764	2,365	3,816	2,636	1,732	1,936	1,915	4,044	8,169
Pond Pre-Flocculators	Gallons	11,711		2,460	-	-	282	-	-	-	-	-	59	2,293
Flocculator Polymer 1	Gallons									-	-	-	-	-
Flocculator Polymer 2	Gallons	-	250	589	253	1,033	452	-	-	-	-	-	34	784
Filter Polymer 1	Gallons	830	728		3,019	1,963	1,015	2,850	1,677	824	1,361	1,259	2,944	4,503
Filter Polymer 2	Gallons		151	790			-	-	-	-	-	-	-	-
Belt Presses	Gallons	784	810	13	659	769	617	966	959	908	575	656	1,007	589
ENERGY														
Total Electricity Used	MWH	719	658	673	684	759	777	748	813	775	797	764	662	746
Purchased from PGE	MWH	433	287	311	270	350	357	281	270	279	360	330	314	409
Produced from Co-Gen	MWH	236	273	288	286	269	245	282	266	286	258	272	249	254
Percent Produced	%	33%	41%	43%	42%	36%	32%	38%	33%	37%	32%	36%	38%	34%
Purchased from Solar	MWH	87	98	74	128	140	175	200	227	210	179	162	99	83
Percent Produced		12%	15%	11%	19%	18%	22%	27%	28%	27%	22%	21%	15%	11%
Purchased Natural Gas	Therms	99	91	2,404	1,214	166	24	22	63	116	68	34	532	516
Methane Flared Off	KSCF	82	192	523	733	79	43	110	308	344	259	391	507	192
Stand By Calls	"	17	00	00	40	40	00	405	50	c-7		40	75	400
Stand By Calls	#	47	66	23	43	40	36	135	52	57	71	40	75	133
Violations	#	-	-	-	-	-	-	-	-	-	-	-	-	-

#### WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18
<u>Scheduled</u>													
Old	33	61	39	27	39	12	6	8	9	13	31	20	21
New	82	56	117	59	82	95	89	101	95	87	83	104	78
Completed	54	78	129	41	109	101	87	100	91	69	94	103	89
New Balance	61	39	27	39	12	6	8	9	13	31	20	21	10
Unscheduled													
Old	34	44	40	35	38	30	36	30	27	29	38	32	36
New	37	19	18	16	24	25	14	21	23	30	11	38	17
Completed	27	23	23	13	32	19	20	24	21	21	17	34	23
New Balance	44	40	35	38	30	36	30	27	29	38	32	36	30
Total Work Orders		405	70			10	10			40		50	
Old	66	105	79	62	77	42	42	38	36	42	69 04	52	57
New Completed	119 81	75 101	135 152	75 60	106 141	120 121	103 107	122 125	118 112	117 90	94 111	142 137	95 112
New Balance	105	<b>79</b>	62	77	<b>42</b>	<b>42</b>	38	36	42	<u>90</u> 69	52	<b>57</b>	40
New Balance	105	79	02		42	42	30	30	42	09	52	57	40
LAB ANALYSES													
Sample Type													
Regulatory	178	163	123	190	208	200	188	146	139	182	132	129	195
Process Control	1,220	1,139	1,071	1,080	1,103	1,103	796	871	917	890	926	486	1,154
Special Request	4	6	4	2	4	1	6	34	2	-	-	13	-
Quality Control/Assurance													
Quality Control/Assurance	1,110	874	692	794	741	936	489	500	483	622	401	328	1,128 2,477

#### Summary of NSD Capital Project Status through 11-30-18

13701         Main Lir           13702         Manhold           13703         Lateral F           13704         Cleanou           13705         Inflow &           13704         Cleanou           13705         Inflow &           14703         Browns           17704         Inflrtn F           17708         Basin G           18701         I&I Smol           18702         Collectic           18703         Upper Li           18705         Sewer S           19701         66-inch           19702         72-inch           19703         2020 Co           19704         Collectic           18708         Manhold           18738         Combina           19704         Vehicle           19705         Replace           19704         Vehicle           19729         Replace           19721         West Na	iption         CTION SYSTEM         Line Sewer Rehabilitation         ole Raising/Rehabilitation         al Replacement/Rehabilitation         outs Installation/Rehabilitation         outs Installation (I&I) Reduction Program         ns Valley Rd & First St         n Rehab - SSMH/PL (CI-)         G - I&I Reduction #1         noke Testing         tion System Asset Management Software         Lateral Rehab - Basin L (Pilot) #3         System Inflow/Infiltration 2018	Budget 95,000 428,500 77,100 93,200 214,200 5,075,000 - - 275,000	Carryovers	Adj.	Final FY 18/19 Budget 95,000 428,500 77,100 93,200 214,200 5,075,000	Encumbrance 6,750 3,839 4,693 - 121,520 80,425	to Date 22,762 276,895 42,841 38,491 9,390	Budget Remaining 65,488 147,766 29,566 54,709 83,290	% Budget           Expended           24%           65%           56%           41%
13701         Main Lir           13702         Manhold           13703         Lateral F           13704         Cleanou           13705         Inflow &           13704         Cleanou           13705         Inflow &           14703         Browns           17704         Inflrtn F           17708         Basin G           18701         I&I Smol           18702         Collectic           18703         Upper Li           18705         Sewer S           19701         66-inch           19702         72-inch           19703         2020 Co           19704         Collectic           18708         Manhold           18738         Combina           19704         Vehicle           19705         Replace           19704         Vehicle           19729         Replace           19721         West Na	Line Sewer Rehabilitation ole Raising/Rehabilitation ol Replacement/Rehabilitation outs Installation/Rehabilitation of & Infiltration (I&I) Reduction Program of Valley Rd & First St on Rehab - SSMH/PL (CI-) G - I&I Reduction #1 noke Testing tion System Asset Management Software of Lateral Rehab - Basin L (Pilot) #3	428,500 77,100 93,200 214,200 5,075,000 - - - -	-	(40,000)	428,500 77,100 93,200 214,200 5,075,000	3,839 4,693 - 121,520	276,895 42,841 38,491 9,390	147,766 29,566 54,709	65% 56% 41%
13702         Manhold           13703         Lateral F           13704         Cleanou           13705         Inflow &           13705         Inflow &           14703         Browns           17704         Inflort F           17708         Basin G           18701         I&I Smol           18702         Collection           18703         Upper La           18704         Sewer S           18705         Sewer S           19701         66-inch           19702         72-inch           19703         2020 Co           19704         Collection           19705         Collection           19706         Sever S           19707         Collection           19708         Manhold           18738         Combina           19704         Vehicle           19729         Replace           19729         Replace           19729         LIFT STA           17711         West Na	ole Raising/Rehabilitation Il Replacement/Rehabilitation outs Installation/Rehabilitation V & Infiltration (I&I) Reduction Program ns Valley Rd & First St n Rehab - SSMH/PL (CI-) G - I&I Reduction #1 noke Testing tion System Asset Management Software Cateral Rehab - Basin L (Pilot) #3	428,500 77,100 93,200 214,200 5,075,000 - - - -	-	(40,000)	428,500 77,100 93,200 214,200 5,075,000	3,839 4,693 - 121,520	276,895 42,841 38,491 9,390	147,766 29,566 54,709	65% 56% 41%
13703     Lateral F       13704     Cleanou       13705     Inflow &       14703     Browns       14704     Influrtn F       17704     Influrtn F       17708     Basin G       18701     I&I Smol       18702     Collection       18703     Upper La       18704     Sewer S       18705     Sewer S       18706     Sewer S       19701     66-inch       19702     72-inch       19703     2020 Co       19704     Collection       18708     Manhole       18738     Combina       19704     Vehicle       19729     Replace       19729     Replace       19721     West Na	Il Replacement/Rehabilitation outs Installation/Rehabilitation v & Infiltration (I&I) Reduction Program ns Valley Rd & First St n Rehab - SSMH/PL (CI-) G - I&I Reduction #1 noke Testing tion System Asset Management Software Lateral Rehab - Basin L (Pilot) #3	77,100 93,200 214,200 5,075,000 - - -	-	(40,000)	77,100 93,200 214,200 5,075,000	4,693 - 121,520	42,841 38,491 9,390	29,566 54,709	56% 41%
13704         Cleanou           13705         Inflow &           14703         Browns           17704         Inflrtn F           17708         Basin G           17708         Basin G           18701         I&I Smol           18702         Collection           18703         Upper Li           18705         Sewer S           18706         Sewer S           19701         66-inch           19702         72-inch           19703         2020 Co           19704         Collection           19705         Collection           19706         Sewer S           19707         Collection           19708         Manhole           18738         Combina           19704         Vehicle           19729         Replace           19729         Replace           19729         Rupro	buts Installation/Rehabilitation & Infiltration (I&I) Reduction Program Ins Valley Rd & First St In Rehab - SSMH/PL (CI-) G - I&I Reduction #1 Tooke Testing tion System Asset Management Software Lateral Rehab - Basin L (Pilot) #3	93,200 214,200 5,075,000 - - -	-	(40,000)	93,200 214,200 5,075,000	- 121,520	38,491 9,390	54,709	41%
13705       Inflow &         14703       Browns         17704       Infltrtn F         17708       Basin G         18701       I&I Smol         18702       Collection         18703       Upper Li         18704       Sewer S         18705       Sewer S         18706       Sewer S         19701       66-inch         19702       72-inch         19703       2020 Co         19704       Collection         18708       Manhold         18738       Combina         19704       Vehicle         19729       Replace         197104       West Na	v & Infiltration (I&I) Reduction Program ns Valley Rd & First St n Rehab - SSMH/PL (CI-) G - I&I Reduction #1 noke Testing tion System Asset Management Software Lateral Rehab - Basin L (Pilot) #3	214,200 5,075,000 - - -	-	(40,000)	214,200 5,075,000	121,520	9,390		
14703     Browns       17704     Infltrtn F       17708     Basin G       18701     I&I Smol       18702     Collection       18703     Upper La       18705     Sewer S       18706     Sewer S       19701     66-inch       19702     72-inch       19703     2020 Co       19704     Collection       18738     Combina       19704     Vehicle       19729     Replace       19721     West Na	ns Valley Rd & First St n Rehab - SSMH/PL (CI-) G - I&I Reduction #1 noke Testing tion System Asset Management Software - Lateral Rehab - Basin L (Pilot) #3	5,075,000 - - -	-	(40,000)	5,075,000	-		83,290	· · · · · ·
17704     Inflrtn f       17708     Basin G       18701     I&I Smol       18702     Collection       18703     Upper La       18705     Sewer S       18706     Sewer S       18707     66-inch       19701     66-inch       19702     72-inch       19703     2020 Co       19704     Collection       18738     Combina       19704     Vehicle       19729     Replace       19711     West Na	n Rehab - SSMH/PL (CI-) G - I&I Reduction #1 noke Testing tion System Asset Management Software Lateral Rehab - Basin L (Pilot) #3	-	-	(40,000)		80,425	144 750	00)=00	4%
17708       Basin G         18701       I&I Smol         18702       Collection         18703       Upper Li         18704       Sewer S         18705       Sewer S         18706       Sewer S         19701       66-inch         19702       72-inch         19703       2020 Co         19704       Collection         18708       Manhold         18738       Combina         19704       Vehicle         19729       Replace         19711       West Na	G - I&I Reduction #1 noke Testing tion System Asset Management Software Lateral Rehab - Basin L (Pilot) #3	-	-	(40,000)			144,758	4,849,816	3%
18701     I&I Smol       18702     Collection       18703     Upper La       18705     Sewer St       18706     Sewer St       18707     66-inch       19701     66-inch       19702     72-inch       19703     2020 Co       19704     Collection       18708     Manhold       18738     Combina       19704     Vehicle       19729     Replace       19711     West Na	noke Testing tion System Asset Management Software · Lateral Rehab - Basin L (Pilot) #3	-	200,000		33,900	8,400	-	25,500	-
18702     Collection       18703     Upper La       18705     Sewer S       18706     Sewer S       18707     66-inch       19701     66-inch       19702     72-inch       19703     2020 Co       19704     Collection       18708     Manhold       18708     Combination       19704     Vehicle       19729     Replace       19721     Ulft STA	tion System Asset Management Software • Lateral Rehab - Basin L (Pilot) #3	- 275,000			200,000	-	179,892	20,108	90%
18703         Upper Li           18705         Sewer S           18706         Sewer S           18707         66-inch           19701         66-inch           19702         72-inch           19703         2020 Co           19704         Collection           18708         Manhold           18738         Combina           19704         Vehicle           19729         Replace           19724         LIFT STA           17711         West Na	Lateral Rehab - Basin L (Pilot) #3	275,000	99,750		99,750	38,789	32,751	28,210	33%
18705         Sewer S           18706         Sewer S           18706         Sewer S           19701         66-inch           19702         72-inch           19703         2020 Co           19704         Collection           19705         Collection           19706         Manhold           18707         Vehicle           19704         Vehicle           19729         Replace           19711         West Nation			349,550		624,550	406,634	87,824	130,092	14%
18706     Sewer S       19701     66-inch       19702     72-inch       19703     2020 Co       19704     Collection       18708     Manhola       18708     Combina       19704     Vehicle       19729     Replace       19724     LIFT STA       17711     West Na	System Inflow/Infiltration 2018	-	5,000		5,000	-	414	4,586	8%
19701       66-inch         19702       72-inch         19703       2020 Co         19707       Collection         19708       Collection         18708       Manhold         18738       Combination         19704       Vehicle         19729       Replace         19711       West Nation		2,600,000	2,298,750		4,898,750	2,794,882	1,725,312	378,556	35%
19702       72-inch         19703       2020 Co         19727       Collection         19708       Collection         18708       Manhold         18738       Combination         19704       Vehicle         19729       Replace         19711       West Nation	System Inflow/Infiltration 2019	2,321,100	13,900	335,850	2,670,850	-	23,057	2,647,793	1%
19703         2020 Co           19727         Collection           18708         Manhold           18708         Combination           19704         Vehicle           19729         Replace           LIFT STA         17711	h Trunk Rehabilitation (Kaiser to IPS)	1,400,000			1,400,000	82,259	128,600	1,189,141	9%
19727         Collection           19727         Collection           18708         Manhole           18738         Combination           19704         Vehicle           19729         Replace           1         LIFT STA           17711         West Nation	h Trunk Construction (Kaiser to IPS)	1,000,000		(1,000,000)	-	-	-	-	-
COLLECT           18708         Manhold           18738         Combination           19704         Vehicle           19729         Replace           United State         United State           17711         West National State	Collection System Rehabilitation	20,000			20,000	-	-	20,000	-
18708         Manhold           18738         Combination           19704         Vehicle           19729         Replace           1         LIFT STA           17711         West Nation	tion System Master Plan	-		1,000,000	1,000,000	347,100	63,508	589,392	6%
18708         Manhold           18738         Combination           19704         Vehicle           19729         Replace           1         LIFT STA           17711         West Nation									
18738         Combination           19704         Vehicle           19729         Replace           Image: Combination of the second	CTION SYSTEM - EQUIPMENT								
19704         Vehicle           19729         Replace           Image: state stat	ole - Smart Covers (4)	-	15,000		15,000	13,190	-	1,810	-
19729 Replace LIFT STA 17711 West Na	ination Truck Veh #529B	-	3,600		3,600	3,600	-	-	-
LIFT STA 17711 West Na	e 180 - Ford F150 - USA Truck	35,400			35,400	-	-	35,400	-
17711 West Na	ce Coll Veh #166	-		40,000	40,000	-	-	40,000	-
17711 West Na									
	TATIONS								
19705 Stonecre	Napa PS - Rehab	5,200,000			5,200,000	659,603	133,409	4,406,988	3%
	crest PS Pump Rebuild	45,000			45,000	30,000	-	15,000	-
TREATM									
13745 Pond 1 [	1 Dredge	600,000			600,000	14,680	7,968	577,353	1%
TREATM									
	<u> </u>	_	155,300		155,300	-	_	155,300	_
	IMENT - EQUIPMENT		7,600		7,600	-	_	7,600	_
15713 Aeration	<u> </u>		,,		,,			.,000	ł

#### Summary of NSD Capital Project Status through 11-30-18

Proj		FY 18/19	FY 17/18		Final FY 18/19		Costs Paid	Budget	% Budget
-	Description	Budget	Carryovers	Adj.	Budget	Encumbrance	to Date	Remaining	Expended
16712	Main - Primary Clarifier Mech/Struct Rehabilitation	150,000			150,000	63,908	1,470	84,622	1%
17713	Secondary PS VFD Rplcmnt (3)	57,400		(57,400)	-	-	-	-	-
17715	Turbidimeters (7) Tertiary Rplcmnts	-	16,000		16,000	-	-	16,000	-
18711	3W Strainer	-	52,750		52,750	-	-	52,750	-
18715	Muffle Furnace - Replacement	-	5,000		5,000	-	-	5,000	-
18716	Rotork Actuator Replacement	-	67,200	18,600	85,800	-	79,396	6,404	93%
18719	Filter Flow Control - Rotork Valves	-	46,600		46,600	-	33,436	13,164	72%
18720	Neuros Blowers Rebuild	64,300			64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	5,000		5,000	-	-	5,000	-
18725	Belt Press Hydraulic Actuator Replace	-	20,000		20,000	-	18,764	1,236	94%
18740	Main - Chemical Storage Building Piping Repair	250,000	25,000	1,000,000	1,275,000	181,876	21,749	1,071,375	2%
19706	WWTP MP - 3W System Improvements Phase 2	300,000			300,000	-	-	300,000	-
19707	Portable Pumps 10-inch (2)	172,100		42,400	214,500	214,379	-	121	-
19708	Main - Rotork Actuator Replacement	95,000			95,000	-	-	95,000	-
19709	Main - Polymer Tank (3) Replacement	10,000			10,000	-	-	10,000	-
19710	Main - 12kV Redundant Line	120,000			120,000	-	-	120,000	-
19711	Main - CCB Coating - E&W Channels	50,000			50,000	-	-	50,000	-
19712	Main - Utility Generator Power Transition	75,000			75,000	-	-	75,000	-
19713	Main - Cogen Hot Water to FOG Pad	50,000			50,000	-	-	50,000	-
19714	Main - Ventilation System Expansion Boots	50,000			50,000	29,436	-	20,564	-
19715	Main - ARV Replacement	30,000			30,000	-	28,922	1,078	96%
19716	Main - P4PS Pump #3 Rebuild	40,000			40,000	-	-	40,000	-
19728	Lab Sampler	-		15,000	15,000	-	-	15,000	-
	TREATMENT - STRUCTURES								
	Headworks Equipment Rehab/Replacment	1,900,000	9,250		1,909,250	1,442,078	48,928	418,244	3%
	Treatment Plant Project 2018	2,100,000	854,000		2,954,000	467,938	2,218,668	267,394	75%
19717	WWTP MP - Pond Transfer Structures 2 to 3	5,000			5,000	-	64	4,936	1%
	SCADA								
18729	SCADA MP Project #1 - Network Monitoring	-	48,700		48,700	-	2,275	46,425	5%
	SCADA MP Phase 5 Security Study	250,000	,		250,000	190,139	-	59,861	-
	RECYCLING - DISTRICT								
	Line Recycled Water Reservoir	-	100,000		100,000	2,125	82,966	14,909	83%
18730	Jameson 24" Flow Meter Rehab	-	6,200		6,200	-	-	6,200	-

#### Summary of NSD Capital Project Status through 11-30-18

Proj #	Description	FY 18/19 Budget	FY 17/18 Carryovers	Adj.	Final FY 18/19 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
18731	Coombsville Truck Fill Station	375,000	65,050		440,050	47,190	29,467	363,393	7%
19719	24-inch Valve Replacement - Kirkland Line	5,000			5,000	-	-	5,000	-
19720	Jameson PS VFD	68,900			68,900	-	-	68,900	-
19721	Soscol RW Pump Replacement/Rehab	150,000			150,000	-	-	150,000	-
19722	Vehicle 723/720 - Attachments/Implements	28,700			28,700	25,783	-	2,917	-
	RECYCLING - EXPANSION								
13727	North Bay Wate Reuse Project	150,000			150,000	-	54,031	95,970	36%
	OTHER								
13729	Development Technical Support	248,300		120,100	368,400	-	127,160	241,240	35%
19723	AV System Replacement - Conference Rooms	20,000			20,000	-	-	20,000	-
19724	Fence Repair - District Wide	25,000			25,000	12,000	-	13,000	-
19725	Vehicle 011 - CSET Trailer	23,700			23,700	-	-	23,700	-
19726	Vehicle 607 - Electrical Hybrid Vehicle	42,800			42,800	-	2,003	40,797	5%
GRAND	TOTAL ALL PROJECTS	\$26,385,700	\$4,549,850	\$1,474,550	\$32,410,100	\$7,293,217	\$5,667,170	\$19,449,714	17%