



Napa Sanitation District
General Manager's Report
for
October 2020

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DATE: December 2, 2020
FROM: Timothy B. Healy, General Manager
SUBJECT: General Manager’s Report for October 2020

REGULATORY COMPLIANCE:

Collection System Compliance:	0 Category 1 SSO’s, 0 Category 2 SSO’s, and 0 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, 2020 – October 31, 2020
Percent Fiscal Year:	33.3%
Operating Expenditures to date:	32.6%
Historical Expenditures to date:	38.8%
Significant Comments:	None

PERSONNEL:

Significant events for the month of October 2020 in the Human Resources Department:

New Hires:	None
Separations:	None
Promotions:	Nolan Weathers promoted to Collection System Worker I
Recruitment Activities:	None
Injuries:	None

COLLECTIONS:

Significant events for the month of October 2020 in Collection System Maintenance include:

- The District had 0 Category 1 Sanitary Sewer Overflows (SSO’s), 0 Category 2 SSO’s and 0 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 7 cleanouts and repaired 1 cleanout. They repaired 5 laterals and lined 15 laterals. The repair crew also had 4 main line repairs and raised 3 man holes. Additionally, the service response/programs crew completed 116 work orders in support of the grease and odor control program, responded to 62 customer requests for service (20 were NSD problem) and closed out 291 mark and locate request tickets.
- The preventative maintenance crews ran work orders on 63 laterals, cleaned approximately 60,936.1 feet of main line and CCTV inspected 60 laterals. In addition, the CCTV truck televised 26,008.6 feet of mainline.

TREATMENT PLANT:

Significant events for the month of October 2020 in the Treatment Plant Department:

Plant Operations:

- For October 2020, the plant's influent flow was 162.3 MG as compared to last year flow for October 2019 of 181.6 MG
- There was 0.00" rainfall for October 2020 (Carneros Rainfall Center) as compared to 0.00" rainfall for October 2019.
- Pond 4 end of the month recorded level reading was 34.41".

Power Consumption and Production:

- October power purchased from PG&E was 313 MWH in comparison to October 2019 purchase of 423 MWH.
- Cogeneration unit ran 739 of 744 hours for the month – 99.19% uptime, averaging 358.42 kW, producing 278 MWH of energy.
- Solar generation in October was 119 MWH, compared to 124 MWH in September and 141 MWH in October 2019.

Maintenance:

Significant events for the month of October 2020:

Process Maintenance

- Cogeneration unit monthly emission test - in compliance with BAAQMD permit
- Replaced belt press conveyor idler drum
- Primary clarifier #1/replaced rake drive motor
- Headworks & Primary odor control system/replaced air compressor
- Replaced ARV on Boiler
- Daft drive support arm/replaced wheel
- Replaced disconnect switch on blower fan #103

- Installed new discharge hose on digester sump pump #10

Projects

- Installed new gear pumps for SBS #3 and #4
- Received annual elevator certifications

Standby Power

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

Influent Pumps

- All pumps operational

Laboratory:

Effluent (EFF-001) Summary

There was no Effluent (EFF-001) discharge during the reporting period.

Influent (INF-001) Summary

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

- October, 2020: Metals, Mercury, Cyanide

RECYCLING:

Significant events in the Recycling Department for October 2020 include:

- Recycled water delivered for the month of October 2020 was (63.600 million gallons), as compared to October 2019 (63.600 million gallons) is lower from the previous year due to district irrigation and golf course demand. Delivered recycled water volume represents the sum of all use site flow meter consumption values.
- Staff completed land application of biosolids at the Jameson Reuse site and initiated land application of biosolids at the Fagundes Reuse site.
- Staff approved the connection of two recycled water services. One in the LCWD area and one in the MST area.

POLLUTION PREVENTION:

Significant events in the Pollution Prevention and Outreach Division for October 2020 include:

- In coordination with the City of Napa, Napa County, the Sheriff's office, and Kaiser, staff helped plan and sponsor the yearly drug takeback event. At the event on October 24th, 2,108 pounds of medication were collected. The total amount of unneeded medications collected since the drug takeback program began in September 2010 is 25,784.2 pounds.
- Outreach continues to residents regarding the Summer 2020 Collection System Rehabilitation Project. Weekly email and text notifications were sent to all residents on the project mailing list. Weekly website updates were also made to alert residents to construction project updates.
- Staff also conducted outreach regarding the Browns Valley Trunk Project. Staff sent five letters to residents in different neighborhoods alerting them of pipeline installation work to be performed in their area. Weekly email and text updates as well as weekly website updates were conducted to keep residents up to date regarding construction activities. Staff also worked with City of Napa staff to share construction locations and our updates were shared in the City of Napa e-newsletter and on social media.
- Staff sent the Fall 2020 Pipeline newsletter to the printer and it was received by all customers in mid-October.
- Staff has been working on the Popular Annual Financial Report (PAFR), which will be completed in November.

ENGINEERING / CAPITAL PROJECTS / DEVELOPMENT:

Significant events occurring in the Engineering Division for October 2020 include:

- Consultants and staff continued work on the CMMS implementation.
- Contractor completed the Pond Biosolids Removal and Reuse Project.
- Contractor continued construction of the Browns Valley Trunk Project.
- Contractor continued construction of the West Napa Pump Station Project.
- Contractor continued construction of the 2020 Collection System Rehabilitation Project.
- Staff completed design and issued Notice Inviting Bids for the 2021 Collection System Rehabilitation Project.
- Consultant continued design of the 66-inch Trunk Sewer Rehabilitation Project.
- Consultant continued design of the Pond Levee Maintenance Project
- Staff awarded the construction contract for the Sanitary Sewer Manhole Adjustment Project, Phase X
- Consultant completed design of the 2021 Treatment Plant Improvements Project
- Contractor continued construction of the Primary Clarifier and DAF Clarifier Rehabilitation Project.

- Consultant continued working on the Collection System Master Plan.
- Consultant continued working on the Wastewater Treatment Plant Master Plan.
- Staff reviewed 23 sets of development plans and deemed 12 sets of plans complete. The approved plans consisted of 4 residential dwellings, 1 public lateral, 5 tenant improvements, 1 commercial building, and 1 recycled water lateral.

Budget Status & Cash Summary - July 1, 2020 - October 31, 2020 (33.3% of the year)

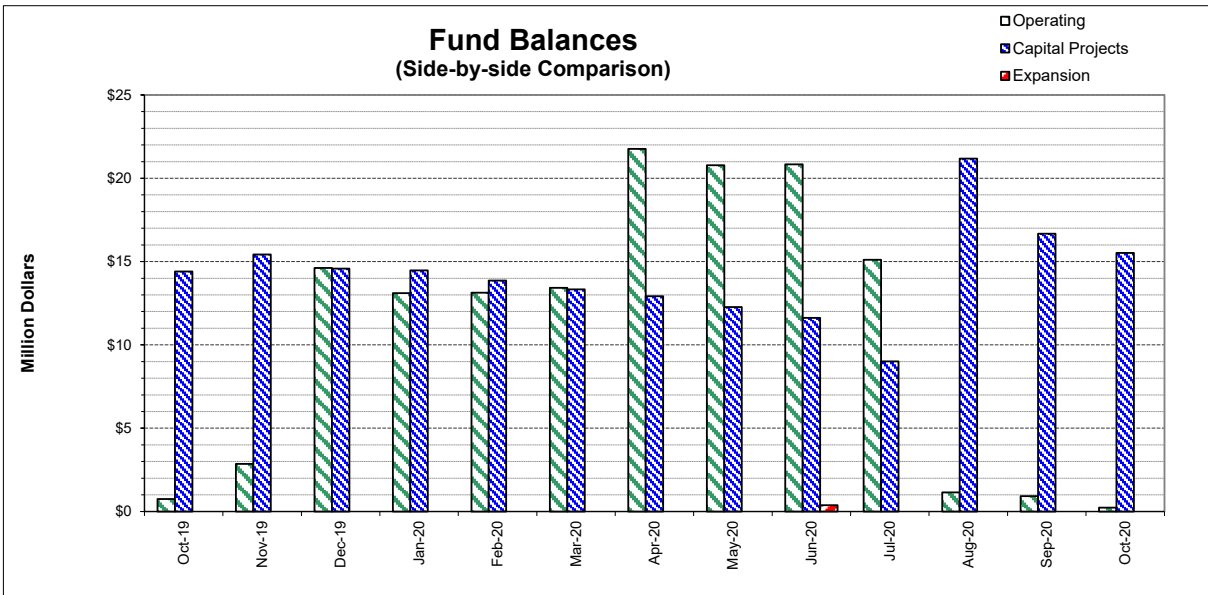
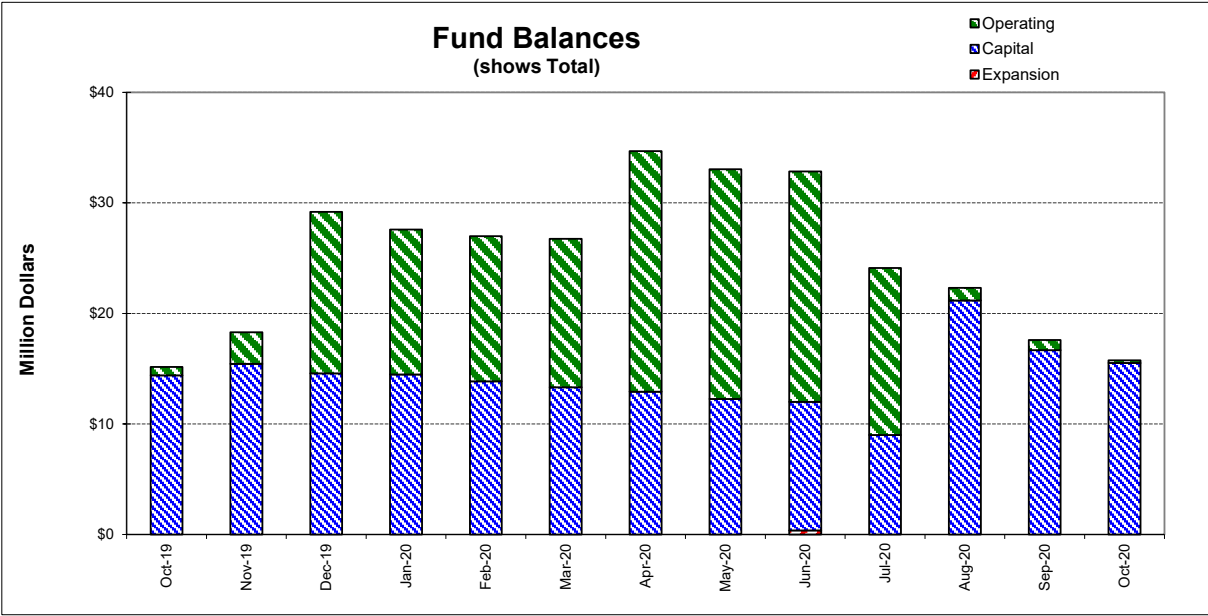
<i>Expenditures</i>	FY 20/21 Budget	Encumbrances	Expenditures to date	Committed to date	Remaining Balance	Percent Committed
Operating						
Salaries & Benefits	\$9,590,300	\$7,100	\$2,737,123	\$2,744,223	\$6,846,077	28.6%
Services & Supplies	6,428,900	1,351,490	1,838,056	3,189,547	3,239,353	49.6%
Taxes	42,400	-	-	-	42,400	0.0%
Debt Service	4,588,000	-	3,728,888	3,728,888	859,113 ^①	81.3%
Intrafund Transfers	9,000,000	-	-	-	9,000,000	0.0%
Total Operating:	\$29,649,600	\$1,358,590	\$8,304,067	\$9,662,657	\$19,986,943 ^②	32.6%
Capital						
Bldgs/Improvements & Equip	\$65,903,450	\$28,509,981	\$9,419,361	\$37,929,342	\$27,974,108 ^③	57.6%
Intrafund Transfers	1,992,000	-	749,380	749,380	1,242,620	37.6%
Total Capital :	\$67,895,450	\$28,509,981	\$10,168,741	\$38,678,722	\$29,216,728	57.0%
Grand Total Expenditures:	\$97,545,050	\$29,868,571	\$18,472,807	\$48,341,379	\$49,203,671	49.6%

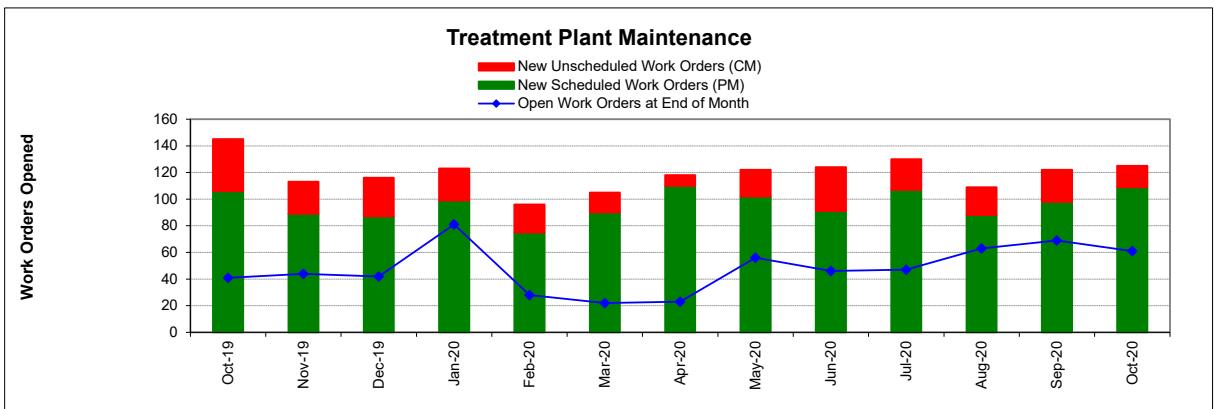
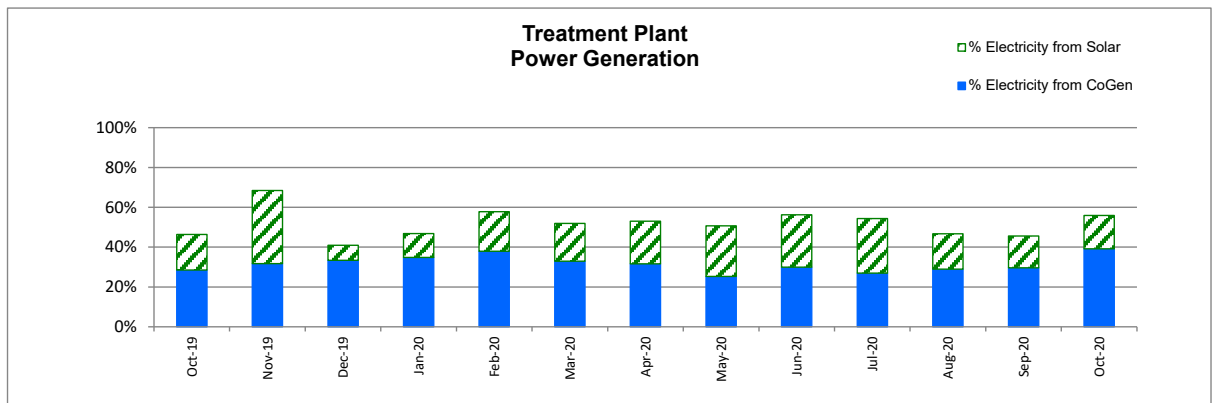
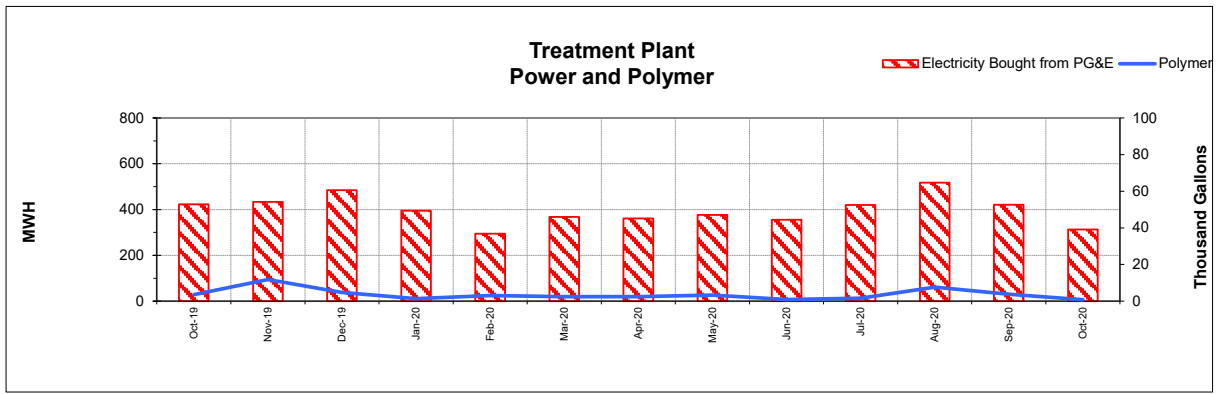
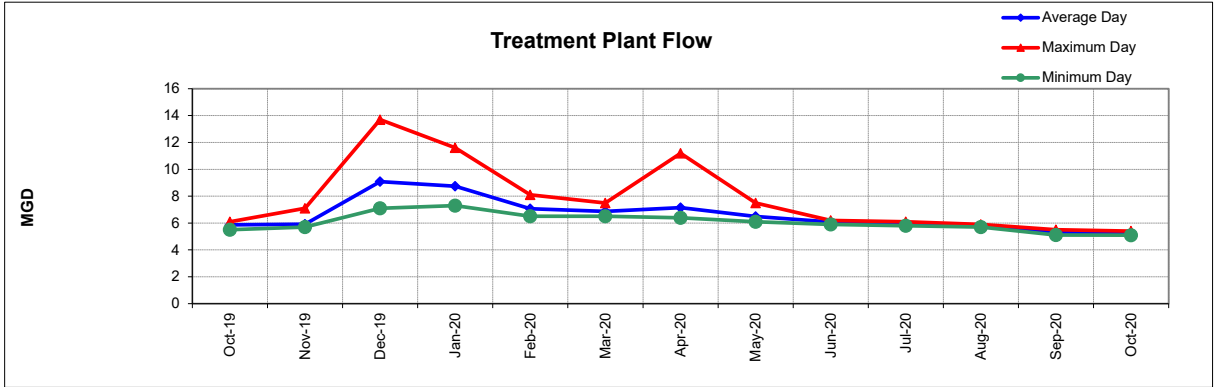
<i>Revenues</i>	FY 20/21 Budget	Encumbrances	Revenues to date	Revenues posted to date	Unposted Revenue	Percent Posted
Operating						
Use of Money/Property	\$578,000		\$156,587	\$156,587	\$421,413	27.1%
Charges for Services	31,213,500		2,155,106	2,155,106	29,058,394	6.9%
Miscellaneous Revenues	60,000		46,545	46,545	13,455	77.6%
Donations/Contributions (Capital Labor)	-		322,647	322,647	(322,647) ^④	N/A
Total Operating:	\$31,851,500		\$2,680,885	\$2,680,885	\$29,170,615	8.4%
Capital						
Use of Money/Property	\$0		\$605	\$605	(\$605)	N/A
Capacity Charges	5,178,000		351,366	351,366	4,826,634	6.8%
Bond/Loan Proceeds	15,416,600		-	-	15,416,600	0.0%
Sale of Assets	25,000		-	-	25,000	0.0%
Miscellaneous Revenues	5,000		-	-	5,000	0.0%
Intrafund Transfers	14,078,000		749,380	749,380	13,328,620	5.3%
Total Capital:	\$34,702,600		\$1,101,351	\$1,101,351	\$33,601,249	3.2%
Grand Total Revenue:	\$66,554,100		\$3,782,236	\$3,782,236	\$62,771,864	5.7%

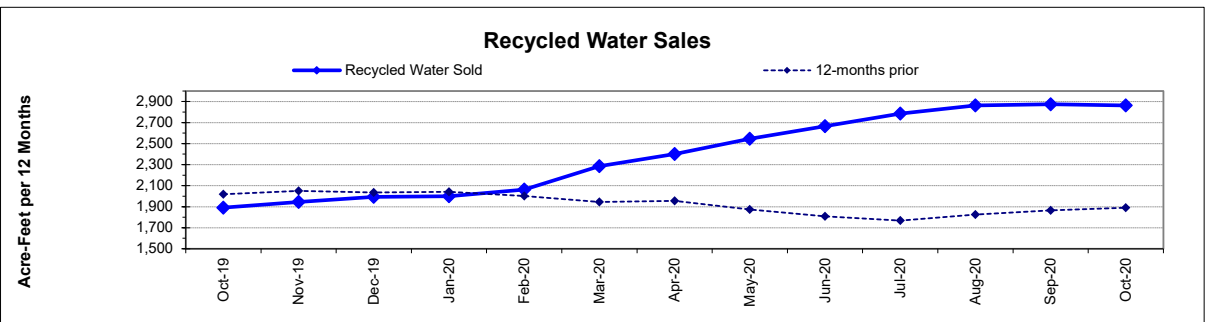
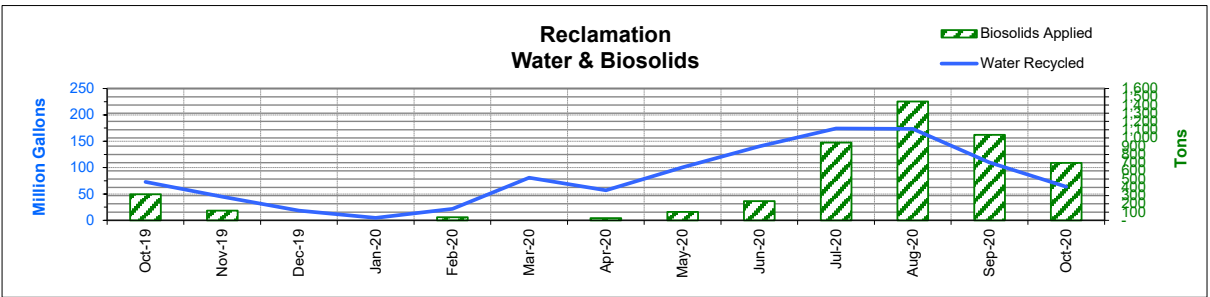
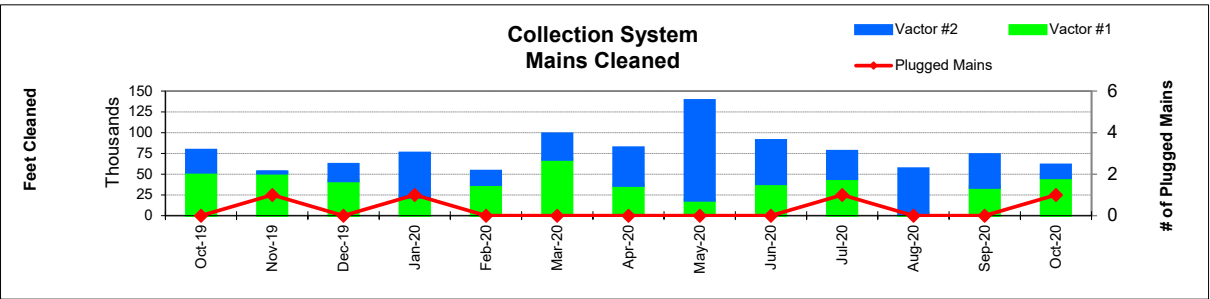
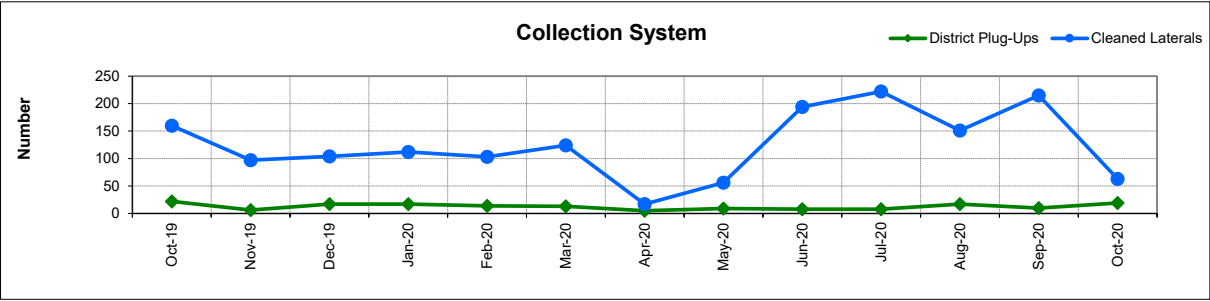
Cash on Hand as of 10/31/20 **\$15,756,587**

**excluding Debt Service restricted funds
10/31/20 -Effective Rate of Return = 1.27%

1. Series 2012A's and 2017's principal/interest payments are made in Jul
2. Includes Debt Service and Intrafund Transfers; otherwise is 36.9%
3. See Capital Project Status report for details
4. In-house Labor for Capital Projects (Contra acct for Salaries)







FUND BALANCES - MONTHLY

CATEGORY	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
<i>(Thousand Dollars)</i>													
7800	753	2,858	14,616	13,107	13,136	13,427	21,767	20,787	20,841	15,104	1,143	924	231
7850	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Operating	753	2,858	14,616	13,107	13,136	13,427	21,767	20,787	20,841	15,104	1,143	924	231
Capital Improvement Projects	14,400	15,430	14,579	14,477	13,860	13,326	12,924	12,268	11,626	9,009	21,179	16,674	15,526
Debt Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal Capital	14,400	15,430	14,579	14,477	13,860	13,326	12,924	12,268	11,626	9,009	21,179	16,674	15,526
Total Discretionary Funds	15,153	18,288	29,195	27,584	26,996	26,753	34,691	33,055	32,467	24,113	22,322	17,598	15,757
Expansion Fund (Restricted)	-	-	-	-	-	-	-	-	378	-	-	-	-
Total Restricted Funds	-	-	-	-	-	-	-	-	378	-	-	-	-
TOTAL ALL FUNDS	15,153	18,288	29,195	27,584	26,996	26,753	34,691	33,055	32,845	24,113	22,322	17,598	15,757

DEVELOPMENT WORKLOAD - MONTHLY

CATEGORY	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
<u>Phone Requests</u>													
Maps/Drawings	-	11	4	6	5	2	3	1	7	1	4	2	2
Lateral Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
Policy Questions	2	2	-	2	5	5	-	-	3	3	1	3	1
Development Questions	32	40	29	32	38	29	24	36	45	31	48	45	30
Miscellaneous	29	13	24	10	12	8	5	6	7	6	13	14	11
TOTAL	63	66	57	50	60	44	32	43	62	41	66	64	44
<u>Counter Requests</u>													
Maps/Drawings	1	-	-	-	-	-	-	-	-	-	-	-	-
Lateral Permits	7	7	8	5	19	20	7	10	10	15	8	7	13
Policy Questions	-	1	-	-	-	1	-	-	-	-	-	-	-
Development Questions	4	7	7	4	2	2	-	-	-	2	-	-	-
Miscellaneous	-	-	-	1	1	1	-	-	-	-	-	-	-
TOTAL	12	15	15	10	22	24	7	10	10	17	8	7	13
<u>Initial Request (Referrals)</u>	13	11	9	9	13	8	7	4	8	6	17	10	8
<u>Connection Permits Issued</u>													
Residential Permits	5	3	0	9	22	6	6	14	10	6	6	10	2
Commercial Permits	1	3	1	1	-	2	1	-	1	6	1	1	1
Industrial Permits	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL PERMITS	6	6	1	10	22	8	7	14	11	12	7	11	3
Residential Units	22	5	0	11	13	6	56	20	16	6	5	10	13
Commercial Units	1	133	1	1	-	2	1	-	20	6	1	1	1
TOTAL UNITS	23	138	1	12	13	8	57	20	36	12	6	11	14
<u>Annexations</u>													
Submitted	1	-	-	-	-	-	1	-	-	2	-	-	-
Acreage	44.84	-	-	-	-	-	0.50	-	-	18.2	-	-	-
<u>Plans Reviewed</u>													
<u>Subdivisions/Sites</u>													
First Submittal	5	8	24	12	5	12	7	13	12	12	9	8	5
Second Submittal	2	6	6	12	7	4	8	9	10	11	4	10	1
Third Submittal	7	3	6	4	5	3	2	4	8	4	6	8	7
<u>Building/Tenant Improvements</u>													
First Submittal	13	4	3	12	9	9	5	4	9	5	9	2	4
Second Submittal	5	1	4	3	2	6	4	2	10	4	5	4	3
Third Submittal	7	5	3	1	2	5	3	7	8	1	5	3	3
<u>Miscellaneous Plan Reviews</u>													
TOTAL PLANS REVIEWED	39	27	46	44	30	39	29	39	57	37	38	35	23

INSPECTION WORKLOAD - MONTHLY

CATEGORY	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
<u>CONSTRUCTION</u>													
Locating Sewers	-	-	-	-	-	-	-	-	-	-	-	-	-
Permit Processing	-	-	-	-	-	-	-	-	-	-	-	-	-
Preconstruction Meetings	6	1	2	4	4	3	3	-	-	1	2	2	-
Inspections - Mains	-	1	-	-	-	-	-	6	5	2	-	-	7
Inspections - Manholes	1	6	3	9	16	37	-	6	-	6	6	6	5
Inspections - Laterals	12	22	10	15	8	13	48	32	9	12	12	8	12
Inspections - Cleanouts	54	33	44	26	32	35	90	4	2	3	5	11	9
Inspections - Review Video	-	1	-	1	2	4	2	-	2	2	3	2	4
Demo - Septic Tanks	-	-	-	-	-	-	-	-	-	-	-	-	-
Demo - Buildings	-	-	-	-	-	-	-	-	-	-	1	-	-
Update Record Drawings	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	73	64	59	55	62	92	143	48	18	26	29	29	37
<u>MISCELLANEOUS</u>													
Meter Readings	-	-	-	59	1	-	4	-	-	-	-	-	-
Washdown Facility Inspections	-	-	-	-	-	-	-	-	-	-	-	-	-
General Customer Assistance	12	12	-	6	9	15	14	24	30	26	46	35	27
City of Napa Water Discharge	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	12	12	-	65	10	15	18	24	30	26	46	35	27
<u>SPECIAL PROJECTS</u>	23	19	30	10	0	11	26	23	22	23	21	21	22

RECYCLED WATER DELIVERIES - MONTHLY

	Acres	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
MONTHLY (MG)														
Water Sold														
Golf Courses	638.0	31.724	16.340	0.007	0.001	12.483	20.366	24.765	52.367	75.187	74.385	62.144	45.656	25.052
Cemeteries	57.1	4.061	3.028	0.250	0.222	0.514	3.078	3.422	3.965	4.958	5.192	5.091	4.257	4.064
Parks	18.5	0.615	0.028	-	-	-	0.001	-	0.271	1.188	1.670	1.142	0.691	0.638
Schools	12.6	1.312	0.792	0.085	0.044	0.157	0.685	0.716	2.146	2.341	2.926	2.583	1.995	1.372
Commerical	166.5	13.499	11.799	2.254	0.986	3.206	9.845	9.241	13.725	15.874	20.068	18.844	14.144	13.084
Vineyards	3,442.0	13.852	7.027	15.494	3.170	5.250	46.305	17.728	19.191	24.276	51.661	68.013	36.009	16.738
Trucked Water	175.0	1.401	1.097	0.476	0.227	0.134	0.415	1.147	3.612	3.079	1.988	3.988	2.748	2.104
Subtotal Sales	4,509.6	66.465	40.111	18.567	4.650	21.745	80.694	57.018	95.277	126.903	157.889	161.805	105.500	63.053
District Use														
Jameson	330.0	-	-	-	0.024	-	-	-	-	-	1.479	1.146	1.271	-
Somky	213.0	6.391	4.513	-	0.006	0.050	0.026	0.080	5.408	13.369	14.836	10.491	2.855	0.547
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	6.391	4.513	-	0.030	0.050	0.026	0.080	5.408	13.369	16.315	11.638	4.126	0.547
TOTAL DELIVERED	5,103.1	72.856	44.624	18.567	4.681	21.795	80.720	57.098	100.686	140.271	174.204	173.443	109.626	63.600
ANNUAL (AF)														
Water Sold														
Golf Courses	638.0	963	1,003	1,003	1,003	1,042	1,104	1,151	1,232	1,283	1,297	1,288	1,275	1,254
Cemeteries	57.1	102	102	101	100	102	110	116	117	121	120	118	117	117
Parks	18.5	17	15	15	15	15	15	15	15	16	19	18	17	17
Schools	12.6	33	33	33	33	33	35	37	40	42	45	47	48	49
Commerical	166.5	324	337	338	337	345	373	386	396	407	412	415	410	408
Vineyards	3,442.0	431	431	477	486	500	621	665	705	748	842	919	945	954
Trucked Water	175.0	22	24	25	26	26	27	31	40	48	50	58	62	64
Subtotal Sales	4,509.6	1,891	1,945	1,993	2,001	2,064	2,286	2,401	2,546	2,666	2,785	2,864	2,874	2,864
District Use														
Jameson	330.0	1	1	1	2	2	2	2	2	2	6	8	12	12
Somky	213.0	259	272	272	272	273	273	273	282	286	279	232	178	160
Fagundes/Airport	50.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal District	593.5	260	274	274	274	274	274	274	283	288	285	240	190	172
TOTAL DELIVERED	5,103.1	2,151	2,219	2,267	2,274	2,338	2,561	2,675	2,830	2,953	3,070	3,104	3,064	3,036

BIOSOLIDS HANDLING - MONTHLY

Site	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
<u>Land Applied by NSD</u>													
Somky													
Fagundes													22
Jameson Canyon	316	117	-	-	37	-	26	103	234	49	165	201	85
Subtotal by NSD	316	117	-	-	37	-	26	103	234	49	165	201	107
<u>Land Applied by Contractor</u>													
Somky										893	1,277	838	590
Fagundes													
Jameson Canyon													
Subtotal by Contractor	-	-	-	-	-	-	-	-	-	893	1,277	838	590
Total Land Applied	316	117	-	-	37	-	26	103	234	942	1,442	1,039	697
Off Site (Contractor)													
Total (tons)	316	117	-	-	37	-	26	103	234	942	1,442	1,039	697

COLLECTION SYSTEM MAINTENANCE - MONTHLY

CATEGORY	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
<u>Plugups</u>													
Total Calls	68	38	60	68	39	35	31	37	34	23	47	29	62
Business Hours	51	28	37	42	25	22	23	25	25	17	28	19	43
After Hours	17	10	23	22	14	13	8	12	9	6	19	10	19
District's	22	6	17	17	14	13	5	9	8	8	17	10	19
Property Owner's	43	32	42	46	24	22	26	28	26	15	30	19	42
Plugged Main Lines	-	1	-	1	-	-	-	-	-	1	-	-	1
Run Lateral w/Eel	160	97	104	112	103	124	17	56	194	222	151	215	63
<u>Cleaning (feet of sewer)</u>													
Vactor #1	52,711	51,764	42,519	22,372	37,916	68,243	36,849	18,947	39,019	45,066	2,936	34,338	46,255
Vactor #2	25,762	610	18,811	52,620	15,049	29,691	44,336	119,112	50,948	31,916	53,184	38,654	14,202
Hydro								42,241	-	-	-	-	-
Rodder			558	-	-		2,915	-	-	-	694	-	-
Total (feet)	78,473	52,374	61,888	74,993	52,965	97,933	84,100	180,301	89,967	76,982	56,814	72,992	60,457
<u>Cleaning Days</u>													
Vactor #1	20	18	17	10	15	16	10	9	17	17	3	10	16
Vactor #2	8	1	10	16	5	8	11	17	16	11	17	11	6
Hydro								4	-	-	-	-	-
Rodder			2				2		-	-	1	-	-
Feet/day	2,800	2,750	2,150	2,900	2,650	4,100	3,650	6,000	2,750	2,750	2,700	3,500	2,750
Vactor #1	2,650	2,900	2,500	2,250	2,550	4,250	3,700	2,100	2,300	2,650	1,000	3,450	2,900
Vactor #2	3,200	600	1,900	3,300	3,000	3,700	4,050	7,000	3,200	2,900	3,150	3,500	2,350
Hydro								10,550					
Rodder			300			-	1,450				700		
<u>Video Inspections</u>													
Mains (feet)	17,404	10,825	-	13,832	30,961	26,158	6,798	27,649	16,016	24,214	22,515	19,796	26,009
Laterals (each)	247	165	182	188	180	206	75	109	239	270	210	259	184
<u>Construction (each)</u>													
Cleanouts	20	10	4	8	15	15	1	3	12	9	15	21	8
Laterals	10	9	10	10	8	4	-	4	19	6	25	23	20
Mains	-	-	-	1	-	-	-	-	-	-	-	1	4
Manholes	2	-	-	-	-	5	-	-	-	1	-	-	3
Other						-	-	-	-	-	-	5	25
<u>USA Markings</u>													
Regular (w/in 2 days)	332	224	290	271	423	232	258	260	284	278	297	281	278
Emergency (w/in 2 hours)	21	7	21	22	9	11	36	14	13	10	18	12	13

WASTEWATER PLANT MAINTENANCE and LABORATORY DATA - MONTHLY

CATEGORY	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20
<u>Scheduled</u>													
Old	8	17	24	23	49	5	6	9	39	25	26	40	39
New	106	89	87	99	75	90	110	102	91	107	88	98	109
Completed	97	82	88	73	119	89	107	72	105	106	74	99	116
New Balance	17	24	23	49	5	6	9	39	25	26	40	39	32
<u>Unscheduled</u>													
Old	21	24	20	19	32	23	16	14	17	21	21	23	30
New	39	24	29	24	21	15	8	20	33	23	21	24	16
Completed	36	28	30	11	30	22	10	17	29	23	19	17	17
New Balance	24	20	19	32	23	16	14	17	21	21	23	30	29
<u>Total Work Orders</u>													
Old	29	41	44	42	81	28	22	23	56	46	47	63	69
New	145	113	116	123	96	105	118	122	124	130	109	122	125
Completed	133	110	116	84	149	112	118	90	135	130	93	116	133
New Balance	41	44	42	81	28	22	23	56	46	47	63	69	61
<u>LAB ANALYSES</u>													
Sample Type													
Regulatory	147	240	176	157	192	213	237	140	172	220	189	141	191
Process Control	893	1,010	1,072	1,208	1,039	1,058	1,015	708	815	776	772	700	906
Special Request	46	38	16	-	32	16	12	20	140	38	51	31	10
Quality Control/Assurance	774	957	839	923	1,324	1,043	1,058	595	622	661	674	577	727
TOTAL	1,860	2,245	2,103	2,288	2,587	2,330	2,322	1,463	1,749	1,695	1,686	1,449	1,834

**Summary of NSD Capital Project Status
through 10-31-20**

Proj #	Description (shortened)	FY 20/21 Budget	FY 19/20 Carry Forwards	Adj.	Final FY 20/21 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
<u>COLLECTION SYSTEM - PROJECTS</u>									
13701	Main Line Sewer Rehab	62,100			62,100	-	4,726	57,374	8%
13702	Manhole Raising/Rehab	250,000			250,000	-	6,527	243,473	3%
13703	Lateral Replacement/Rehab	113,900			113,900	-	52,724	61,176	46%
13704	Cleanouts Installation/Rehab	110,700		(12,000)	98,700	-	33,504	65,196	34%
13705	I&I Reduction Program	30,000	210,500		240,500	-	186	240,314	0%
14703	Browns Valley Rd & First St	14,000,000	5,733,950		19,733,950	13,163,689	4,903,663	1,666,598	25%
18702	Coll Sys Asset Mgmt Software	-	216,600	50,000	266,600	126,521	94,394	45,685	35%
19701	66-inch Trunk Rehab	11,000,000	4,086,550		15,086,550	200,695	77,297	14,808,557	1%
19703	Sewer System I&I 2020	3,850,000	2,341,400		6,191,400	4,741,726	1,041,175	408,499	17%
19727	Coll Sys Master Plan	-	100,000		100,000	-	2,228	97,772	2%
20702	Manhole Rehabilitation	250,000			250,000	39,230	-	210,770	-
20703	2021 Collection System Rehab	3,410,000	16,550		3,426,550	68,850	20,135	3,337,565	1%
21701	2022 Collection System Rehab	20,000			20,000	-	-	20,000	-
21718	NN Siphon Gate Replacement	-	-	25,000	25,000	15,725	93	9,182	0%
<u>COLLECTION SYSTEM - EQUIPMENT</u>									
21702	Pickup-mounted Camera Sys	65,000		12,000	77,000	-	75,069	1,931	97%
<u>COLLECTION SYSTEM - LIFT STATIONS</u>									
17711	West Napa PS - Rehab	5,500,000	4,546,450		10,046,450	7,425,143	1,173,171	1,448,136	12%
19705	Stonecrest PS Pump Rebuild	-	24,850		24,850	-	-	24,850	-
21703	River Park Pump Rebuild	19,300			19,300	-	-	19,300	-
<u>TREATMENT - PROJECTS</u>									
13745	Pond 1 Dredge	-	1,943,750		1,943,750	782,832	1,102,667	58,251	57%
18740	Treatment Plant Project 2019	-	64,850		64,850	49,208	792	14,850	1%
20706	WWTP Master Plan	1,235,400	950		1,236,350	693,518	11,443	531,389	1%
20707	Pond Levee Repair	700,000	9,150		709,150	136,372	80,677	492,101	11%
20708	2020 Treatment Plant Imprvmnts	-	1,407,600		1,407,600	156,697	40,377	1,210,526	3%
<u>TREATMENT - EQUIPMENT</u>									
13735	Dual Fuel Boiler Burner	-	55,750		55,750	32,908	-	22,843	-

**Summary of NSD Capital Project Status
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Proj #	Description (shortened)	FY 20/21 Budget	FY 19/20 Carry Forwards	Adj.	Final FY 20/21 Budget	Encumbrance	Costs Paid to Date	Budget Remaining	% Budget Expended
15707	DAFT Overflow Pumps (2)	12,300	11,900		24,200	-	-	24,200	-
16712	Primary Clarifier Mech-Struct	700,000	390,200	140,000	1,230,200	472,151	503,730	254,319	41%
17726	Headworks Equip Rehab/Rplcmnt	-	240,700		240,700	86,476	18,147	136,077	8%
18718	Sec Clarifier Mech/Strct Rehab	83,200		(50,000)	33,200	-	-	33,200	-
18720	Neuros Blowers Rebuild	-	64,300		64,300	-	-	64,300	-
18722	FOG Station Water Heater	-	25,000		25,000	-	-	25,000	-
19708	Rotork Actuator Rplcmnt	-	75,900		75,900	-	25,204	50,696	33%
19709	Polymer Tank Rplcmnt	207,000	10,000	(185,000)	32,000	-	-	32,000	-
19710	12kV Redundant Line	-	83,650		83,650	26,287	14,359	43,004	17%
19715	ARV Rplcmnt	-	4,750		4,750	-	-	4,750	-
20709	AB Caustic Pumps & Enclosure	-	68,600		68,600	13,071	3,846	51,683	6%
20710	Septage Pump & Motor Rplcmnt	-	4,950		4,950	-	4,746	204	96%
20711	Marsh-to-Pond PS Upgrade	-	87,550		87,550	-	246	87,304	0%
20712	Grit Pump Rebuild	-	5,000		5,000	-	4,746	254	95%
20713	Elevator Control Update	-	400,000		400,000	-	-	400,000	-
20715	Concrete Pipe Chase Covers	-	80,000		80,000	32,007	32,007	15,985	40%
20716	Plant Door Replacement PH 1	-	22,200		22,200	-	-	22,200	-
21704	Headworks - Washer Compactor	314,400			314,400	178,068	-	136,332	-
21705	Pipe Threader	13,000			13,000	-	-	13,000	-
21706	Rotork Actuator Replacement	101,800			101,800	-	-	101,800	-
21707	Digester Roof Grating Rplcmnt	110,900			110,900	-	-	110,900	-
21708	Head works - Roof Replacement	80,300			80,300	-	-	80,300	-
21709	Plant Door Replacement - Ph 2	23,000			23,000	-	-	23,000	-
21710	Veh 175 - F-150	31,000			31,000	28,641	-	2,359	-
	<u>LAB - EQUIPMENT</u>								
21711	Autoclave Rplcmnt	34,400			34,400	-	-	34,400	-
21712	Sampler 4700 Rplcmnt	10,400			10,400	-	-	10,400	-
	<u>SCADA</u>								
18729	SCADA MP Proj 1 Ntwk Mntng	-	46,200		46,200	-	-	46,200	-
19718	SCADA MP PH 5 Security Stdy	-	51,850		51,850	-	-	51,850	-
21713	SCADA Network Upgrades	225,000			225,000	-	-	225,000	-

Summary of NSD Capital Project Status
through 10-31-20

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21714	Alarm Evaluation & Programming	25,000			25,000	-	-	25,000	-
	RECYCLING - PROJECTS								
18731	Coombsville Truck Fill Station	-	112,100		112,100	40,070	1,843	70,187	2%
20721	Kirkland RW Pipeline Rehab	-	12,900		12,900	95	6,848	5,956	53%
	RECYCLING - EQUIPMENT								
19722	Veh 720/723 Attchmnts/Implmnts	30,700			30,700	-	-	30,700	-
20722	Badger Meter Replacement	-	80,000		80,000	-	1,398	78,602	2%
21715	Soscol Recycle Pump #2 Rehab	160,700			160,700	-	-	160,700	-
21716	Veh 174 - Ford F-350 SB	75,700			75,700	-	-	75,700	-
21717	Veh 723 - Water Trailer	42,800			42,800	-	-	42,800	-
	OTHER								
13729	Development Technical Support	348,800			348,800	-	81,391	267,409	23%
19723	AV Sys Rplcmnt - Conf Rms	-	20,000	20,000	40,000	-	-	40,000	-
		\$43,246,800	\$22,656,650	-	\$65,903,450	\$28,509,981	\$9,419,361	\$27,974,109	14%