

FINANCIAL REPORT

November 2016



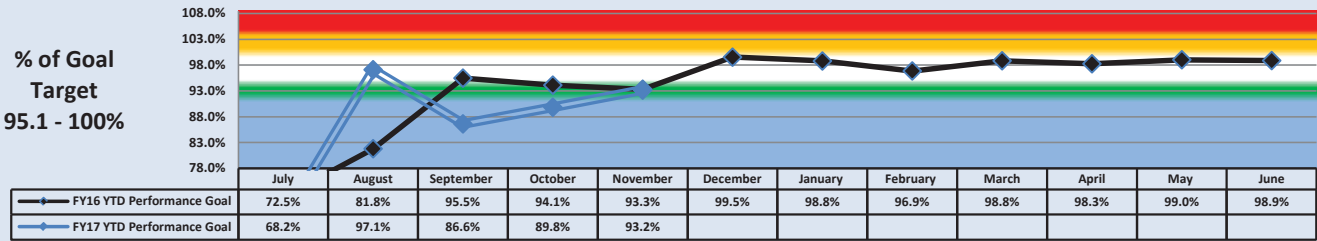
METROPOLITAN SEWER DISTRICT
MONTHLY FINANCIAL REPORT
NOVEMBER 2016

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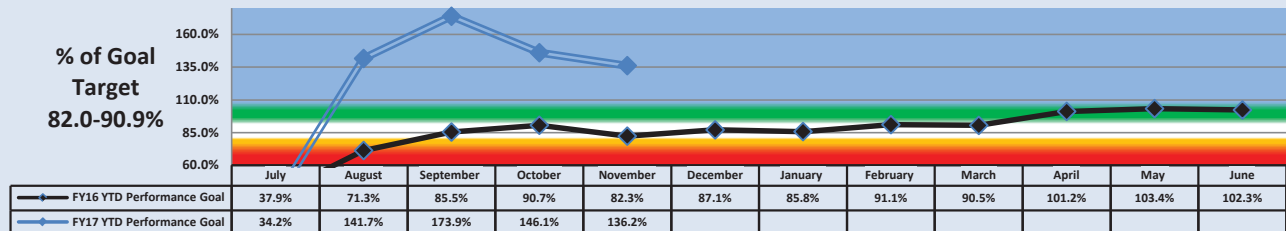
Operational Expense

FY17 \$120,930,511



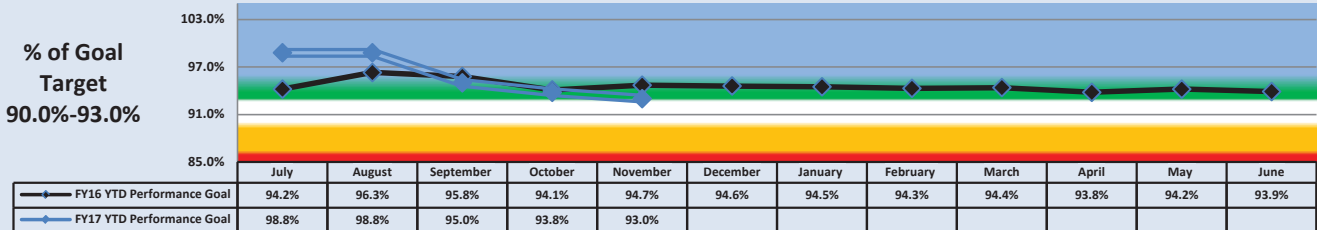
Capital Expense

FY17 \$166,900,000



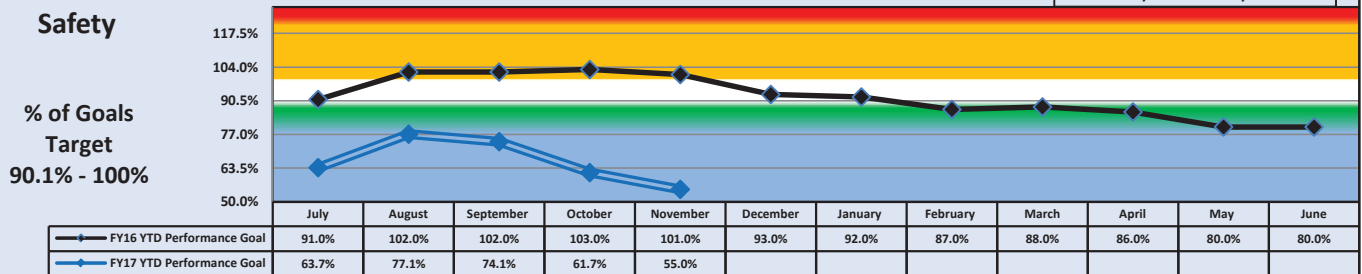
Regulatory

Violation Free Months



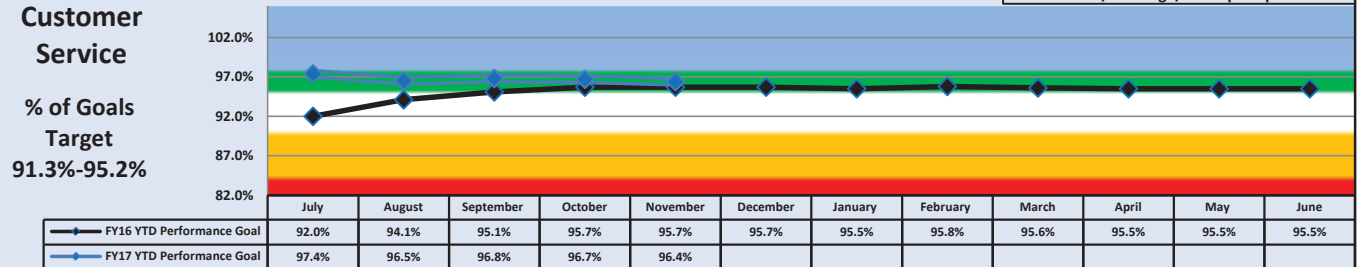
Safety

Lost Time/Prevent Acc /OSHA



Customer Service

Service/Drainage/Backup Requests



**METROPOLITAN SEWER DISTRICT
FINANCIAL OVERVIEW
NOVEMBER 30, 2016**

REVENUES:

Revenue (thousands)	YTD FY 2017	YTD FY 2016	Variance	% Change	FYTD 2017 Budget	FY 2017 Budget Var	%
Wastewater	84,953	79,954	5,000	6.25%	80,722	4,231	5.24%
Stormwater	24,309	22,631	1,678	7.42%	24,721	(412)	(1.67%)
Other	834	2,232	(1,398)	(62.62%)	1,667	(832)	(49.94%)
Total Operating Revenue	\$ 110,097	\$ 104,817	\$ 5,280	5.04%	\$ 107,110	\$ 2,987	2.79%

Year to date Total Operating Revenue is \$110 million compared to \$104.8 million for the same period last year, an increase of \$5.2 million or 5.0%. Total Operating Revenue is up \$2.9 million or 2.7% to budget.

- Wastewater Service Charges total \$84.9 million year to date. This is an increase of \$5.0 million or 6.25% from last year and is \$4.2 million or 5.2% higher than budget. The year to date increase over fiscal year 2016 is attributable to the August rate increase of 6.9%
- Stormwater Service Charges are \$24.3 million for the year, an increase of \$1.6 million or 7.4% from last year and are \$0.4 million or 1.6% lower than budget. The year to date increase over fiscal year 2016 is attributable to the August rate increase of 6.9%
- Other Income totals \$0.8 million year to date. This is a decrease of \$1.3 million or 62.6% from last year and is \$0.8 million or 49.9% less than budget. The year over year decrease is due to a \$0.9 million correction made in October 2016 for 2016 assessment payments that were incorrectly recorded as revenue.

OPERATING EXPENSES:

Expenses (thousands)	YTD FY 2017	YTD FY 2016	Variance	% Change	FYTD 2017 Budget	FY 2017 Budget Var	%
Service & Admin Costs	34,292	35,973	(1,682)	(4.67%)	37,792	(3,501)	(9.26%)
Depreciation	31,963	25,616	6,346	24.78%	31,458	504	1.60%
Total Operating Expenses	\$ 66,254	\$ 61,589	4,665	7.57%	\$ 69,250	\$ (2,996)	(4.33%)

Service & Administrative Costs are \$34.2 million year to date. This is \$1.6 million or 4.6% less than the same period last year and (\$3.5) million or 9.2% less than budget. Service & Administrative savings are being driven by the following items:

- Utility expenses are \$1.3 million lower than last year. Last year's utility expenses were high in part due to an accrual that was erroneously omitted from fiscal year 2015.
- Bad debt expense is \$1.3 million lower than last year. We do not expect this trend to continue.
- Materials and Supplies is \$0.9 million lower than last year. We accrued another \$1,000,000 receivable as of November 30th for insurance proceeds from the Morris Forman flood. This accrual was offset against Materials & Supplies expense.
- Liquid Oxygen expense is \$0.6 million above budget. This is being driven by the need to purchase liquid oxygen at Morris Forman until the oxygen generators are back online.

Depreciation expense totals \$31.9 million year to date. This is an increase of \$6.3 million or 24.7% from a year ago and \$0.5 million or 1.6% more than budget. We increased the budget for depreciation expense from \$64 million to \$75.5 million on September 30, 2016. We capitalized \$344 million in assets during fiscal year 2016. These assets are driving the year over year increase in depreciation expense and necessitated the amendment to the 2017 budget.

Total Operating Expenses for fiscal year 2017 are \$66.2 million which is 7.5% or \$4.6 million more than the same period last year and 4.3% or \$2.9 million less than budget.

NET INCOME:

Net Income (thousands)	YTD FY 2017	YTD FY 2016	Variance	% Change	FYTD 2017 Budget	FY 2017 Budget Var	%
Net Operating Income	43,843	43,228	615	1.42%	37,860	5,983	15.80%
Investment Income	4,619	7,207	(2,588)	(35.91%)	7,295	(2,676)	(36.68%)
Interest Expense	(30,614)	(31,188)	574	1.84%	(32,583)	1,969	6.04%
Other Non-operating	2,419	-	2,419	0.00%	-	2,419	
Net Income before Swaps	20,266	19,247	1,019	5.30%	12,571	7,695	61.21%
Change in Fair Value/Swap	21,013	(8,313)	29,326	352.78%	-	21,013	
Total Net Income	\$ 41,279	\$ 10,934	\$ 30,345	277.53%	\$ 12,571	\$ 28,708	228.36%

Year to date Net Operating Income is \$43.8 million compared to \$43.2 million for the same period last year, an increase of 0.6 million or 1.4% and is \$5.9 million or 15.8% more than the year to date budget.

Year to date Investment Income is \$4.6 million compared to \$7.2 million for the same period last year, a decrease of \$2.5 million or 35.9% and is \$2.6 million or 36.6% less than budget. The primary driver in the decrease continues to be the mark to market change in the value of investments.

Year to date Interest Expense is \$0.5 million or 1.8% less than last year and \$1.9 million or 6.0% less than budget.

Year to date Net Income before Swaps totaled \$20.2 million compared to \$19.2 million for the same period last year, an increase of \$1.0 million or 5.3% and is \$7.6 million or 62.2% higher than budget.

Year to date Net Income/(Loss) including the mark to market change on swaps totaled \$41.2 million. This is \$29.3 million or 352.7% more than the same period last year and \$28.7 million or 228.3% more than budget. The mark to market change on swaps has steadily improved over the last 4 months as interest rates have increased.

Submitted by: Brad Good
December 12, 2016

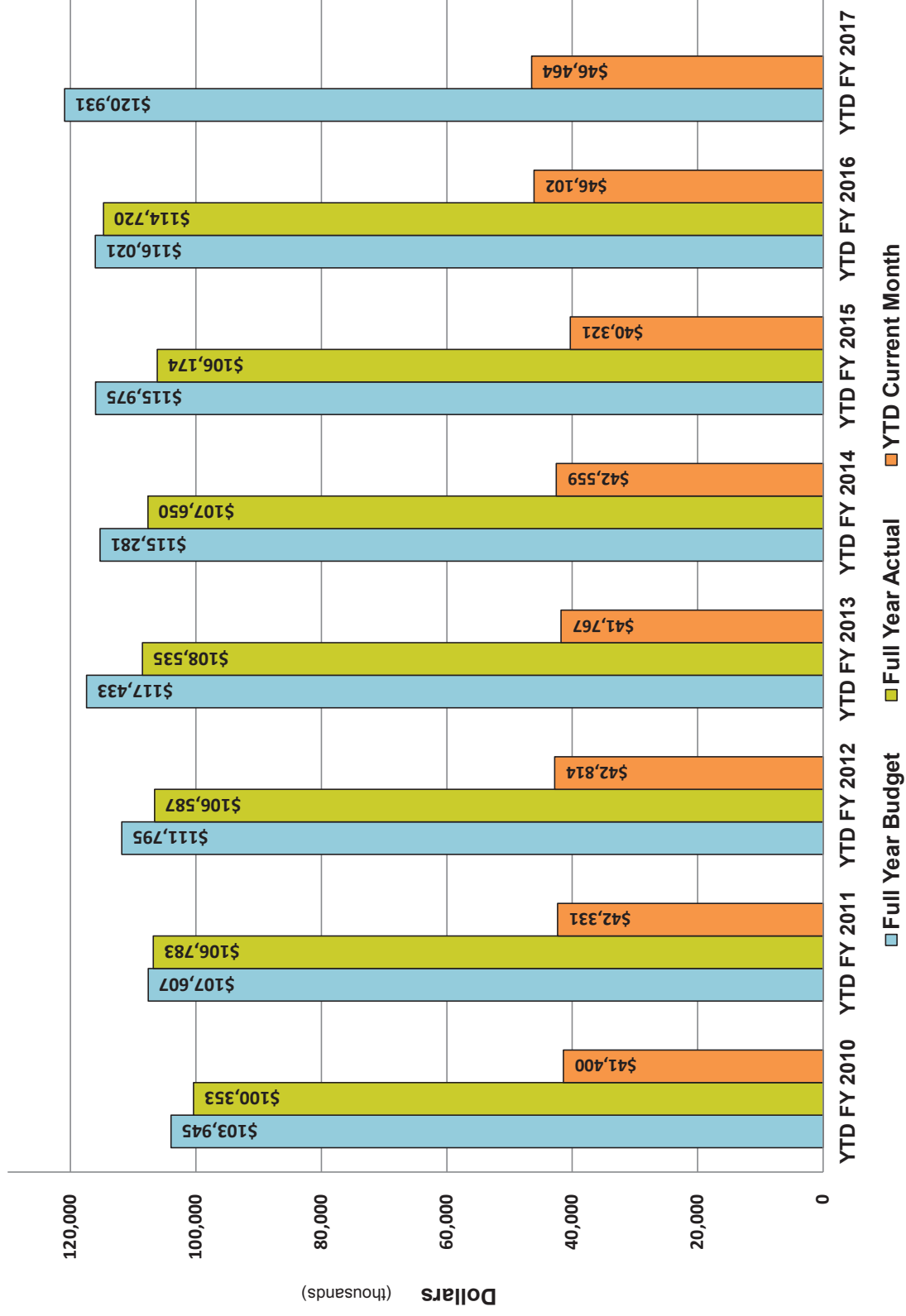
STATEMENT OF CHANGES IN NET POSITION, NOVEMBER 30, 2016

	MTD November 2016	MTD November 2015	Variance	Percent		YTD November 2016	YTD November 2015	Variance	Percent
					Sewer Charges				
	9,405,751.59	7,871,286.21	1,534,465.38	19.49%	Residential	45,708,733.48	42,509,495.93	3,199,237.55	7.53%
	6,165,560.74	6,204,955.32	(39,394.58)	-0.63%	Commercial	27,911,916.53	26,986,489.59	925,426.94	3.43%
	1,651,453.99	1,874,463.66	(223,009.67)	-11.90%	Industrial	9,738,234.67	8,747,584.13	990,650.54	11.32%
	732,304.33	936,406.29	(204,101.96)	-21.80%	Other	3,812,102.25	4,509,123.65	(697,021.40)	-15.46%
	(372,537.08)	(521,594.31)	149,057.23	-28.58%	Free Sewer Charges	(2,217,680.73)	(2,798,911.35)	581,230.62	-20.77%
	17,582,533.57	16,365,517.17	1,217,016.40	7.44%	Total Sewer Charges	84,953,306.20	79,953,781.95	4,999,524.25	6.25%
					Drainage Charges				
	4,994,443.60	4,355,928.30	638,515.30	14.66%		24,309,316.37	22,630,909.32	1,678,407.05	7.42%
	22,576,977.17	20,721,445.47	1,855,531.70	8.95%	Total Service Charges	109,262,622.57	102,584,691.27	6,677,931.30	6.51%
	188,479.71	722,153.83	(533,674.12)	-73.90%	Other Operating Income	834,393.84	2,232,334.63	(1,397,940.79)	-62.62%
	22,765,456.88	21,443,599.30	1,321,857.58	6.2%	Total Operating Revenue	110,097,016.41	104,817,025.90	5,279,990.51	5.0%
					Operating Expenses				
	3,360,887.79	3,136,947.93	223,939.86	7.14%	Salaries & Wages	16,134,976.33	16,101,841.96	33,134.37	0.21%
	1,405,216.75	1,299,570.45	105,646.30	8.13%	Labor Related Overhead	6,543,158.68	6,374,167.42	168,991.26	2.65%
	1,340,694.39	1,337,347.27	3,347.12	0.25%	Utilities	5,801,396.27	7,172,402.47	(1,371,006.20)	-19.12%
	(217,210.79)	610,102.56	(827,313.35)	-135.60%	Materials & Supplies	2,326,543.78	3,286,744.47	(960,200.69)	-29.21%
	2,459,912.22	1,338,607.46	1,121,304.76	83.77%	Contractual Services	10,819,025.78	9,645,659.68	1,173,366.10	12.16%
	635,230.98	391,641.08	243,589.90	62.20%	Chemicals	2,338,135.62	1,526,943.97	811,191.65	53.13%
	118,949.81	101,295.35	17,654.46	17.43%	Fuel	474,368.12	696,663.02	(222,294.90)	-31.91%
	135,210.31	110,695.42	24,514.89	22.15%	Insurance Premiums & Claims	719,102.40	546,877.24	172,225.16)	-33.95%
	235,675.00	1,930,901.46	(1,695,226.46)	-87.79%	Bad Debt	1,133,981.55	2,524,263.14	(1,390,281.59)	-55.08%
	74,809.87	84,368.31	(9,558.44)	-11.33%	Other Operating Expense	345,518.64	274,235.33	71,283.31	25.99%
	(2,599,227.91)	(3,250,070.74)	650,842.83	-20.03%	Mapping/Insurance Recovery	(12,172,478.83)	(12,348,973.31)	176,494.48	-1.43%
	6,950,148.42	7,091,406.55	(141,258.13)	-1.99%	Capitalized Overhead	-	-	-	-
					Capital Expenses (over)/under applied	34,291,503.18	35,973,050.55	(1,681,547.37)	-4.67%
					Total Service and Administrative Costs				
	6,280,021.30	5,127,745.02	1,152,276.28	22.47%	Depreciation	31,436,245.81	25,068,779.42	6,367,466.39	25.40%
	108,827.37	112,501.00	(3,673.63)	-3.27%	Amortization	526,541.79	547,525.60	(20,983.81)	-3.83%
	6,388,848.67	5,240,246.02	1,148,602.65	21.92%	Total Depreciation/Amortization	31,962,787.60	25,616,305.02	6,346,482.58	24.78%
	13,338,997.09	12,331,652.57	1,007,344.52	8.2%	Total Operating Expenses	66,254,290.78	61,589,355.57	4,664,935.21	7.6%
	9,426,459.79	9,111,946.73	314,513.06	3.5%	Net Operating Income	43,842,725.63	43,227,670.33	615,055.30	1.4%
					Non-Operating Revenue (Expenses)				
	-	-	-		Gain/Loss Disposal of Assets	10,000.00	-	10,000.00	
	834,699.77	2,048,207.71	(1,213,507.94)	-59.25%	Investment Income	4,608,841.06	7,206,819.77	(2,597,978.71)	-36.05%
	(6,354,285.74)	(3,616,418.46)	(2,737,867.28)	75.71%	Interest Expense	(30,614,166.37)	(31,187,789.50)	573,623.13	-1.84%
	(5,519,585.97)	(1,568,210.75)	(3,951,375.22)	252.0%	Total Non-Operating Revenue (Expenses)	(25,995,325.31)	(23,980,969.73)	(2,014,355.58)	8.4%
					Contributions	2,418,697.00	-	2,418,697.00	
	3,949,373.82	7,543,735.98	(3,594,362.16)	-47.6%	Change in Net Position before change in Swaps	20,266,097.32	19,246,700.60	1,019,396.72	5.3%
	12,311,056.82	(25,052.73)	12,336,109.55	-49240.58%	Change in Fair Value of Swaps	21,012,874.41	(8,312,791.93)	29,325,666.34	-352.78%
	16,260,430.64	7,518,683.25	8,741,747.39	116.3%	Change in Net Position after change in Swaps	41,278,971.73	10,933,908.67	30,345,063.06	277.5%

STATEMENT OF NET POSITION, NOVEMBER 30, 2016

	YTD November 2016	YTD June 2016	Variance	Percent
Current Assets				
Unrestricted Cash & Cash Equivalents	86,310,691.39	69,781,021.66	16,529,669.73	23.69%
Sewer & Drainage Receivable	20,267,444.95	17,803,632.37	2,463,812.58	13.84%
Assessment Warrants Receivable	561,355.15	910,125.41	(348,770.26)	-38.32%
Miscellaneous Receivables	7,289,647.70	7,982,645.63	(692,997.93)	-8.68%
Inventories	4,132,160.94	4,210,049.05	(77,888.11)	-1.85%
Prepaid Expenses	1,106,201.36	1,790,867.76	(684,666.40)	-38.23%
Restricted Funds	226,580,366.99	169,825,007.59	56,755,359.40	33.42%
Accrued Interest Receivable	1,193,227.98	1,193,227.98	-	0.00%
Total Current Assets	347,441,096.46	273,496,577.45	73,944,519.01	27.04%
Non-Current Assets				
Utility Plant in Service	3,190,734,604.74	3,155,695,912.16	35,038,692.58	1.11%
Accumulated Depreciation	(1,101,571,586.74)	(1,070,108,119.48)	(31,463,467.26)	2.94%
Construction in Progress	545,562,969.46	487,674,069.17	57,888,900.29	11.87%
Net Fixed Assets	2,634,725,987.46	2,573,261,861.85	61,464,125.61	2.39%
Non-Current Receivables	32,562,167.00	29,313,806.36	3,248,360.64	11.08%
Total Assets	3,014,729,250.92	2,876,072,245.66	138,657,005.26	4.82%
Total Deferred Outflow of Resources	32,762,256.45	23,707,870.26	9,054,386.19	38.19%
Total Assets & Deferred Outflow of Resources	3,047,491,507.37	2,899,780,115.92	147,711,391.45	5.09%
Current Liabilities				
Miscellaneous Accounts Payable	7,897,812.99	11,114,898.55	(3,217,085.56)	-28.94%
Accounts Payable - Construction	5,781,091.10	19,021,259.64	(13,240,168.54)	-69.61%
Contract Retainage	16,761,805.01	14,249,364.70	2,512,440.31	17.63%
Accrued Interest Payable	3,434,720.50	17,532,813.96	(14,098,093.46)	-80.41%
Current Maturities of Bonds Payable	32,045,000.00	31,825,000.00	220,000.00	0.69%
Bond Anticipation Notes	228,362,834.27	228,411,814.96	(48,980.69)	-0.02%
Deposits Payable	3,308,959.60	2,557,425.87	751,533.73	29.39%
Accrued Salaries & Wages	1,748,622.36	2,750,705.13	(1,002,082.77)	-36.43%
Accrued Workers' Comp Insurance	1,307,381.18	1,270,001.46	37,379.72	2.94%
Employee Comp Absences Payable	1,997,229.78	2,284,835.53	(287,605.75)	-12.59%
Total Current Liabilities	302,645,456.79	331,018,119.80	(28,372,663.01)	-8.57%
Non-Current Liabilities				
Long-Term Debt Payable	1,865,260,000.00	1,722,745,000.00	142,515,000.00	8.27%
Other Long-Term Liability	150,480,138.90	136,805,025.36	13,675,113.54	10.00%
Total Non-Current Liabilities	2,015,740,138.90	1,859,550,025.36	156,190,113.54	8.40%
Total Liabilities	2,318,385,595.69	2,190,568,145.16	127,817,450.53	5.83%
Total Deferred Inflow of Resources	87,247,858.94	108,632,889.75	(21,385,030.81)	-19.69%
Total Liabilities & Deferred Inflow of Resources	2,405,633,454.63	2,299,201,034.91	106,432,419.72	4.63%
Net Position	641,858,052.74	600,579,081.01	41,278,971.73	6.87%

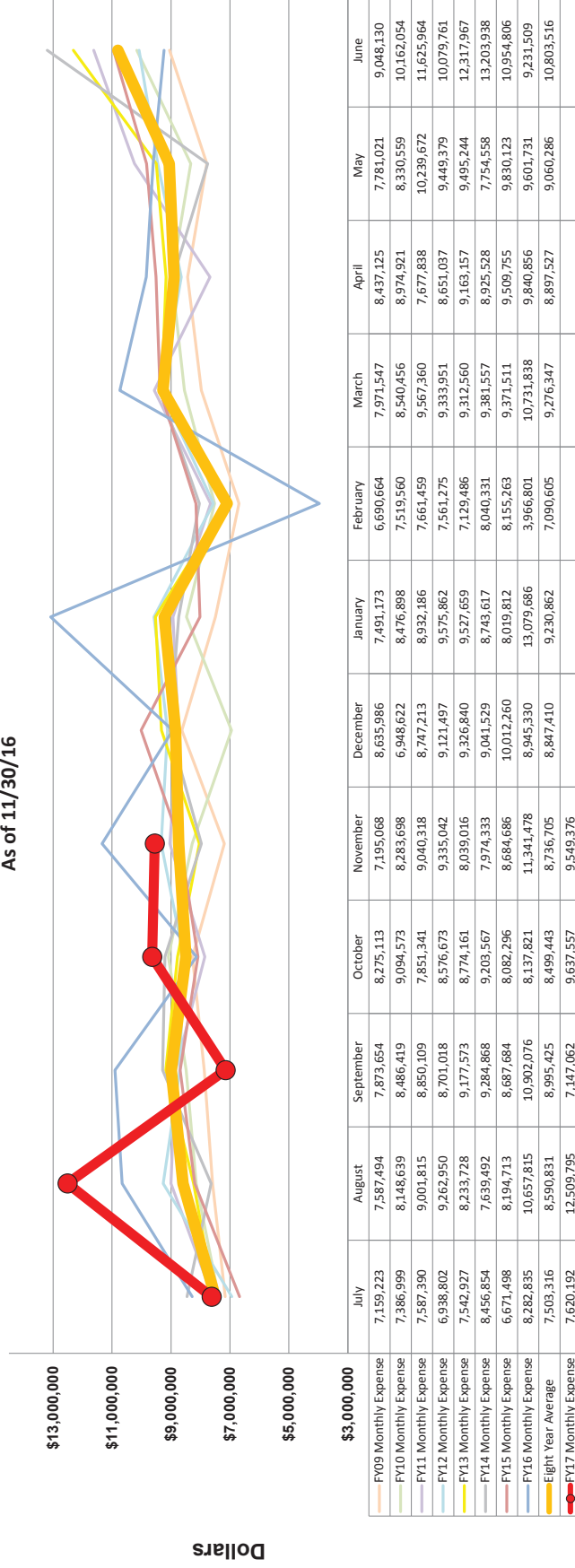
FY 2017
MSD Operating Budget Performance
as of 11/30/16



Prepared by : Patrick Meador

MSD

FY 2017 Monthly Operating Performance Actual Results versus Eight Year Average As of 11/30/16



Prepared by: Patrick Meador

(February Average & Actual results lower due to short period's impact on Salary & Labor Related Overhead expenses.)

FY16 February decrease due to reclasses of \$6.5mil for Bad Debt and \$2.0mil for Capital expenses from Operating, and also recording insurance reimbursements of \$1.750mil for flooding at MFWTP.

FY 2017
Summary of MSD Operating Expense
as of 11/30/16

<u>Operating Expenses</u>	<u>FY17 Budget</u>	<u>FY17 YTD Actual</u>	<u>FY16 YTD Actual</u>	<u>Variance Actual to Budget</u>	<u>Variance Actual to Prior Year</u>
Salaries & Wages	16,384,063	16,134,976	16,101,765	(249,087)	33,211
Labor Related Overhead	7,550,212	6,543,159	6,374,167	(1,007,053)	168,992
Utilities	5,789,527	5,801,396	7,172,402	11,869	(1,371,006)
Materials & Supplies	3,694,558	2,464,095	2,792,288	(1,230,463)	(328,193)
Contractual Services	11,473,104	10,681,964	9,216,116	(791,140)	1,465,848
Chemicals	1,742,426	2,209,058	1,526,904	466,632	682,154
Fuel	572,945	474,779	510,429	(98,166)	(35,650)
Insurance Premiums & Claims	838,698	546,877	719,102	(291,821)	(172,225)
Bad Debt	833,330	1,133,982	774,263	300,652	359,719
Other Operating Expense	996,510	343,262	259,449	(653,248)	83,813
System Roll-up Variance	0	130,435	655,138	130,435	(524,703)
TOTAL	49,875,373	46,463,982	46,102,024	(3,411,391)	361,958

<u>DIVISIONS</u>	<u>FY17 Budget</u>	<u>FY17 YTD Actual</u>	<u>FY16 YTD Actual</u>	<u>Variance Actual to Budget</u>	<u>Variance Actual to Prior Year</u>
Engineering	4,080,410	3,533,437	3,078,406	(546,973)	455,031
Executive	(978,364)	1,320,562	1,990,034	2,298,926	(669,472)
Finance	4,908,810	4,868,016	4,209,081	(40,794)	658,935
Human Resources	2,931,756	2,351,158	2,680,657	(580,598)	(329,499)
Information Technology	5,057,849	4,145,336	3,302,301	(912,513)	843,035
Legal Services	1,876,403	554,314	619,533	(1,322,089)	(65,219)
OPERATIONS GROUP	31,998,509	29,560,725	29,566,876	(2,437,784)	(6,151)
System Roll-up Variance	0	130,435	655,138	130,435	(524,703)
TOTAL	49,875,373	46,463,982	46,102,024	(3,411,391)	361,958

<u>OPERATIONS GROUP</u>	<u>FY17 Budget</u>	<u>FY17 YTD Actual</u>	<u>FY16 YTD Actual</u>	<u>Variance Actual to Budget</u>	<u>Variance Actual to Prior Year</u>
COLLECTIONS - (Metro)	9,691,467	7,186,743	6,845,070	(2,504,724)	341,673
DRAINAGE & FP - (I&FP)	6,420,735	5,913,010	7,793,419	(507,725)	(1,880,409)
PERFORMANCE	(2,058,866)	375,401	418,764	2,434,267	(43,363)
SUPPORT - (Phy Assets)	3,955,809	3,160,339	968,870	(795,470)	2,191,469
TREATMENT - (MFWTP)	13,989,364	12,925,233	13,540,752	(1,064,131)	(615,519)
Operations Group Total	31,998,509	29,560,725	29,566,876	(2,437,784)	(6,151)

Prepared by: Patrick Meador

Detail of MSD Operating Expense
as of 11/30/16

	<u>ENGINEERING</u>		<u>EXECUTIVE</u>		<u>FINANCE</u>		<u>HUMAN RESOURCES</u>	
<u>Operating Expenses</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY15 Budget</u>	<u>FY17 YTD Act</u>
Salaries & Wages	2,817,905	2,421,719	(1,396,106)	376,588	837,275	708,881	762,532	688,767
Labor Related Overhead	1,065,455	850,451	244,819	272,137	311,810	222,870	977,381	602,343
Utilities	0	240	750	0	0	108	168,428	153,948
Materials & Supplies	57,455	82,927	53,116	(660,251)	41,886	42,795	107,273	98,240
Contractual Services	100,915	145,654	(99,796)	1,240,500	2,314,918	2,365,167	840,947	770,135
Chemicals	0	0	0	0	0	0	0	0
Fuel	0	0	0	0	0	0	0	0
Insurance Premiums & Claims	0	0	0	0	503,691	379,068	0	0
Bad Debt	0	0	0	0	833,330	1,133,982	0	0
Other Operating Expense	38,680	32,445	218,853	91,588	65,900	15,145	75,195	37,726
Settlement Accounts	0	0	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0	0	0
Total	4,080,410	3,533,437	(978,364)	1,320,562	4,908,810	4,868,016	2,931,756	2,351,158

	<u>INFORMATION TECHNOLOGY</u>		<u>LEGAL</u>		<u>OPERATIONS GROUP</u>		<u>TOTAL</u>	
<u>Operating Expenses</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>
Salaries & Wages	1,101,310	1,033,138	401,763	308,114	11,859,384	10,597,768	16,384,063	16,134,976
Labor Related Overhead	408,416	343,999	131,333	89,119	4,410,998	4,162,240	7,550,212	6,543,159
Utilities	516,830	322,490	0	0	5,103,519	5,324,611	5,789,527	5,801,396
Materials & Supplies	601,065	504,588	12,929	1,064	2,820,834	2,394,732	3,694,558	2,464,095
Contractual Services	2,288,200	1,920,922	1,144,936	94,205	4,882,984	4,145,383	11,473,104	10,681,964
Chemicals	0	0	0	0	1,742,426	2,209,058	1,742,426	2,209,058
Fuel	0	0	0	0	572,945	474,779	572,945	474,779
Insurance Premiums & Claims	0	0	135,007	32,045	200,000	135,764	838,698	546,877
Bad Debt	0	0	0	0	0	0	833,330	1,133,982
Other Operating Expense	142,028	20,199	50,435	29,767	405,419	116,392	996,510	343,262
Settlement Accounts	0	0	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0	0	0
Total	5,057,849	4,145,336	1,876,403	554,314	31,998,509	29,560,725	49,875,373	46,463,982

Prepared by: Patrick Meador

Detail of MSD Operating Expense as of 11/30/16

	<u>COLLECTIONS</u>		<u>DRAINAGE & FP</u>		<u>PERFORMANCE MATRIX</u>	
<u>Operating Expenses</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>
Salaries & Wages	4,027,542	3,734,932	2,357,715	1,752,992	405,822	267,471
Labor Related Overhead	1,498,481	1,413,607	922,793	845,051	153,944	105,832
Utilities	1,064,795	4,094	964,950	1,533,253	(69,169)	0
Materials & Supplies	700,773	577,678	477,278	641,013	(311,050)	672
Contractual Services	1,760,736	999,986	1,659,754	1,109,621	(2,063,025)	1,163
Chemicals	323,195	312,005	0	137	(116,669)	0
Fuel	10,000	5,304	2,000	0	0	0
Insurance Premiums & Claims	200,000	130,115	0	5,649	0	0
Bad Debt	0	0	0	0	0	0
Other Operating Expense	105,945	9,022	36,245	25,293	(58,719)	263
Settlement Accounts	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0
Total	9,691,467	7,186,743	6,420,735	5,913,010	(2,058,866)	375,401

	<u>SUPPORT</u>		<u>TREATMENT</u>		<u>OPERATIONS GROUP</u>	
<u>Operating Expenses</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>	<u>FY17 Budget</u>	<u>FY17 YTD Act</u>
Salaries & Wages	1,389,144	1,293,200	3,679,161	3,549,173	11,859,384	10,597,768
Labor Related Overhead	523,690	487,843	1,312,090	1,309,907	4,410,998	4,162,240
Utilities	0	38,249	3,142,943	3,749,015	5,103,519	5,324,611
Materials & Supplies	566,865	310,246	1,386,968	865,123	2,820,834	2,394,732
Contractual Services	748,790	537,049	2,776,729	1,497,563	4,882,984	4,145,382
Chemicals	0	0	1,535,900	1,896,916	1,742,426	2,209,058
Fuel	550,755	463,670	10,190	5,805	572,945	474,779
Insurance Premiums & Claims	0	0	35,260	0	235,260	135,764
Bad Debt	0	0	0	0	0	0
Other Operating Expense	176,565	30,082	110,123	51,731	370,159	116,392
Settlement Accounts	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0
Total	3,955,809	3,160,339	13,989,364	12,925,233	31,998,509	29,560,725

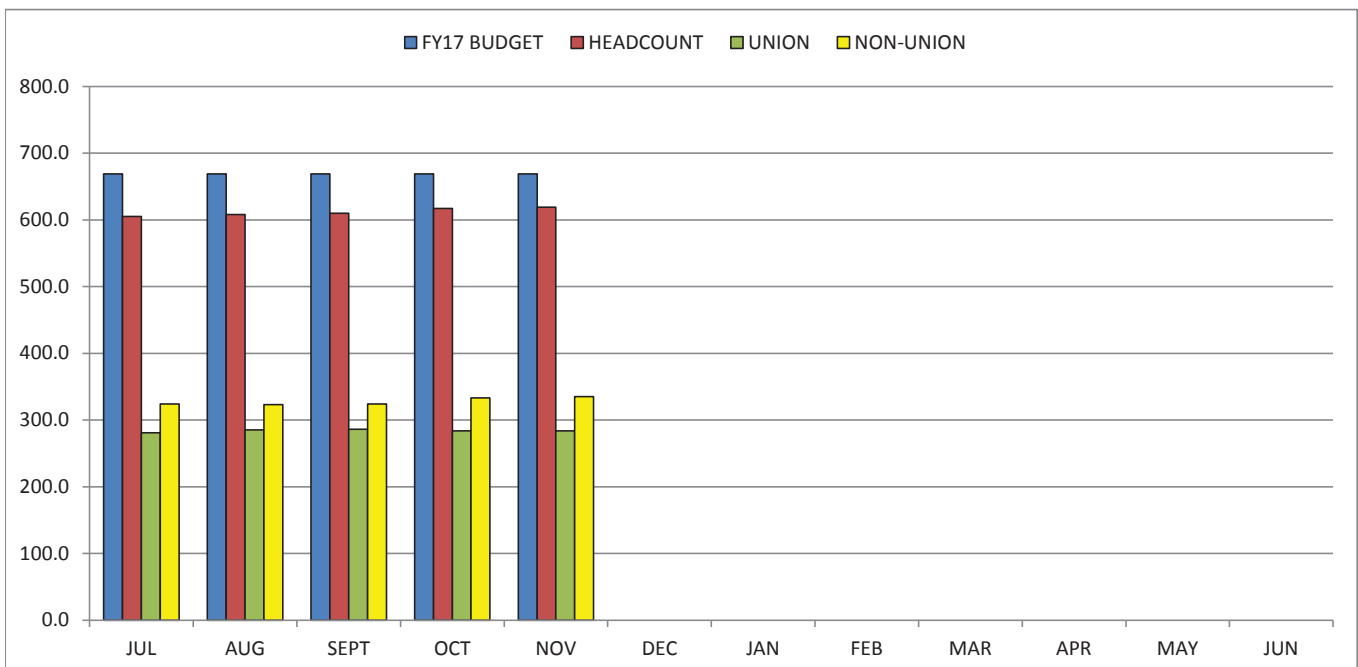
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**FY 2017
MSD STAFFING
November**

	<u>UNION</u>	<u>NON-UNION</u>	<u>HEADCOUNT</u>	<u>FY17 BUDGET</u>
ENGINEERING	0.0	86.0	86.0	97.0
EXECUTIVE	0.0	24.0	24.0	36.0
FINANCE	0.0	29.0	29.0	33.0
HUMAN RESOURCES	0.0	24.0	24.0	16.0
INFORMATION TECH	0.0	30.0	30.0	33.0
LEGAL	0.0	7.0	7.0	7.0
OPERATIONS	284.0	135.0	419.0	447.0
ALL DIVISIONS	284.0	335.0	619.0	669.0

(Non-Union and Headcount Totals include One Water Employees)

Prior Month - July	281.0	324.0	605.0	669.0
Prior Month - August	285.0	323.0	608.0	669.0
Prior Month - September	286.0	324.0	610.0	669.0
Prior Month - October	284.0	333.0	617.0	669.0



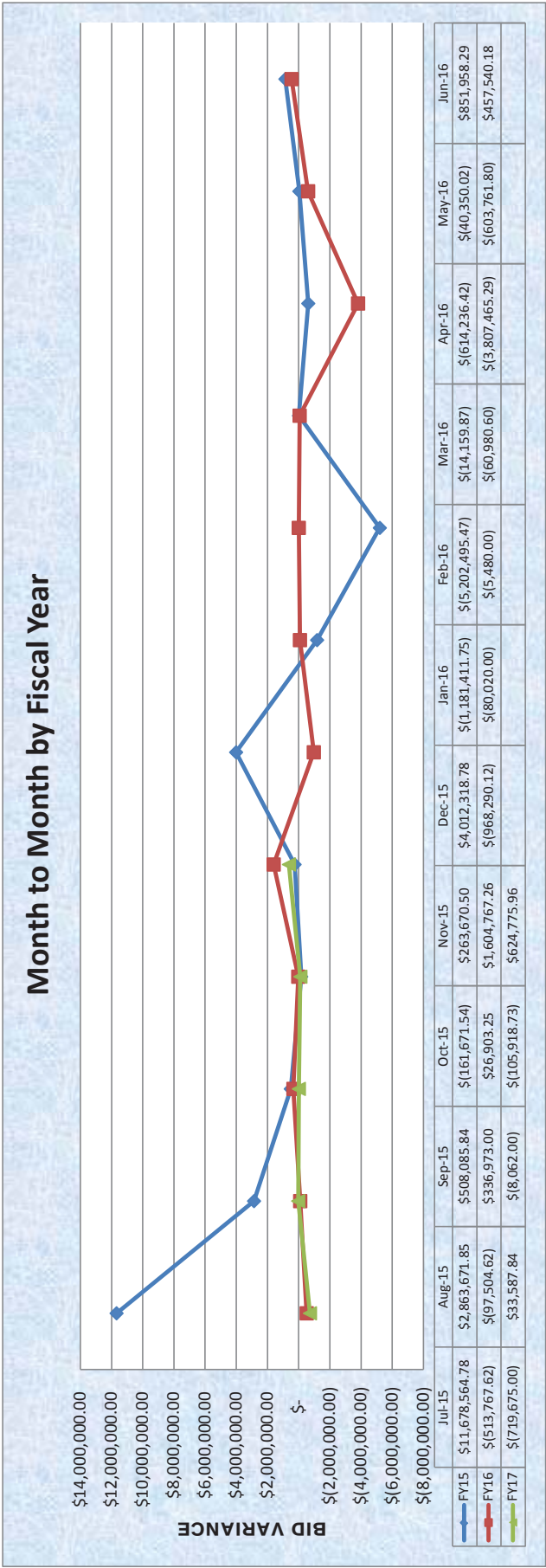
Prepared by: Patrick Meador

FY 15 Variance by Month		
Mth	FY15	
Jul-13	\$ 11,678,564.78	
Aug-13	\$ 2,863,671.85	
Sep-13	\$ 508,085.84	
Oct-13	\$ (161,671.54)	
Nov-13	\$ 263,670.50	
Dec-13	\$ 4,012,318.78	
Jan-14	\$ (1,181,411.75)	
Feb-14	\$ (5,202,495.47)	
Mar-14	\$ (14,159.87)	
Apr-14	\$ (614,236.42)	
May-14	\$ (40,350.02)	
Jun-14	\$ 851,958.29	
TOTAL FY14	\$ 12,963,944.97	

FY 16 Variance by Month		
Mth	FY16	
Jul-14	\$ (513,767.62)	
Aug-14	\$ (97,504.62)	
Sep-14	\$ 336,973.00	
Oct-14	\$ 26,903.25	
Nov-14	\$ 1,604,767.26	
Dec-14	\$ (968,290.12)	
Jan-15	\$ (80,020.00)	
Feb-15	\$ (5,480.00)	
Mar-15	\$ (60,980.60)	
Apr-15	\$ (3,807,465.29)	
May-15	\$ (603,761.80)	
Jun-15	\$ 457,540.18	
TOTAL FY15	\$ (3,711,086.36)	

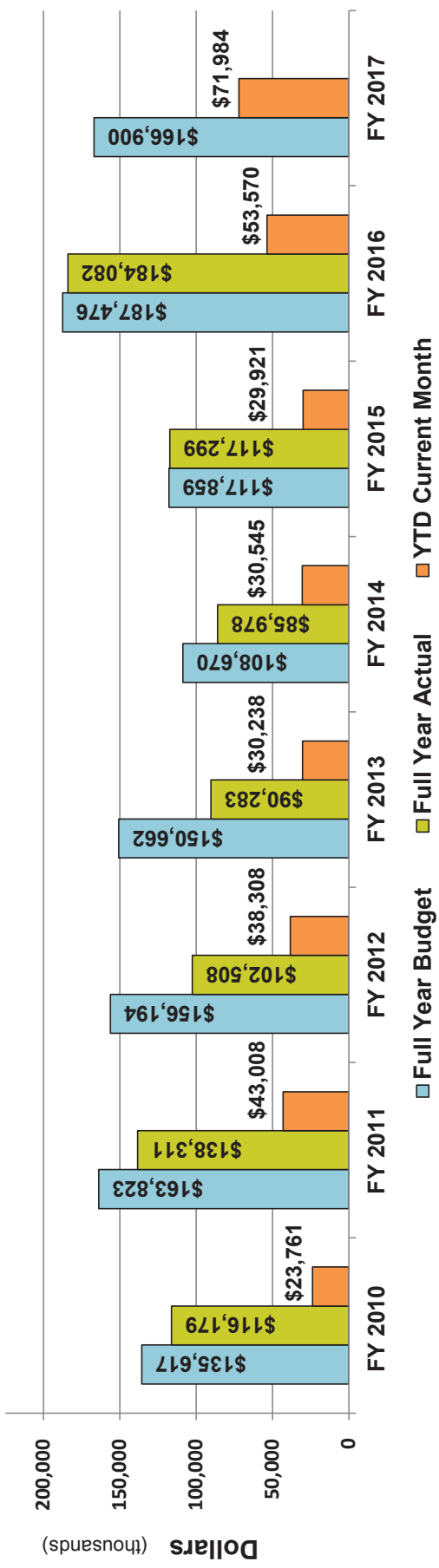
FY 17 Variance by Month		
Mth	FY17	
Jul-15	\$ (719,675.00)	
Aug-15	\$ 33,587.84	
Sep-15	\$ (8,062.00)	
Oct-15	\$ (105,918.73)	
Nov-15	\$ 624,775.96	
Dec-15		
Jan-16		
Feb-16		
Mar-16		
Apr-16		
May-16		
Jun-16		
TOTAL FY16	\$ (175,291.93)	

FY 15 Over/Under Total Variance			FY 16 Over/Under Total Variance			FY 17 Over/Under Total Variance		
# OVER	29		31		12			
\$ OVER	\$ 22,692,303.47		\$ 5,938,849.72		\$ 822,742.57			
%	25.09%		16.49%		22.67%			
# UNDER	25		45		19			
\$ UNDER	\$ (9,728,358.50)		\$ (9,649,936.08)		\$ (998,034.50)			
%	-11.05%		-19.25%		-25.01%			
Total YTD	\$ 12,963,944.97		\$ (3,711,086.36)		\$ (175,291.93)			



Total variance reflects the difference of Estimate Cost vs. Board Approval by month for Construction services.

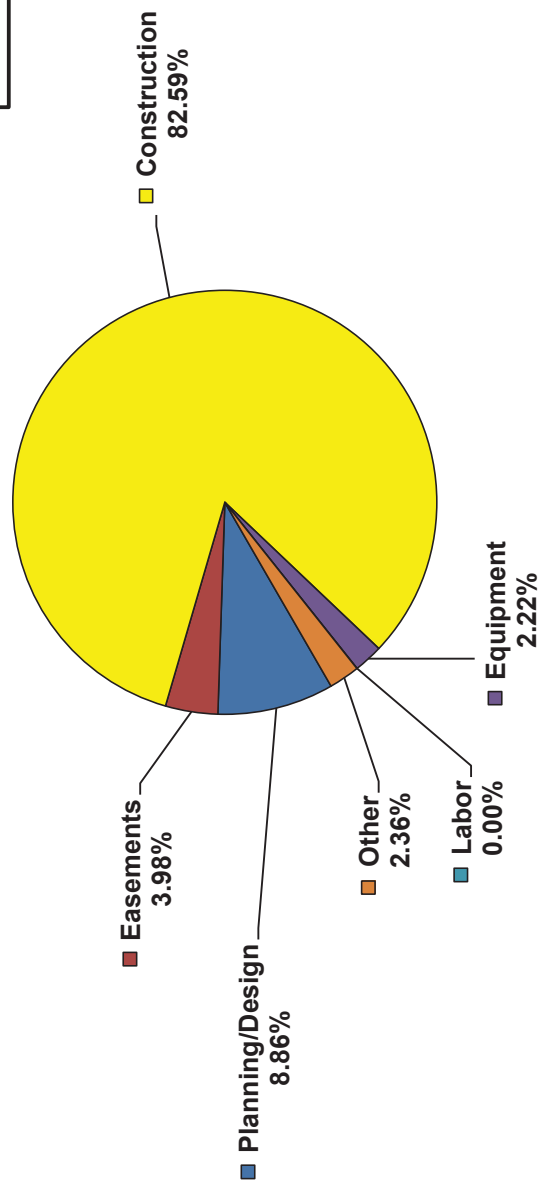
**FY 2017
MSD Capital Budget Performance
YTD as of 11/30/16**



Prepared by: Patrick Meador

MSD Capital Expenditures by Category

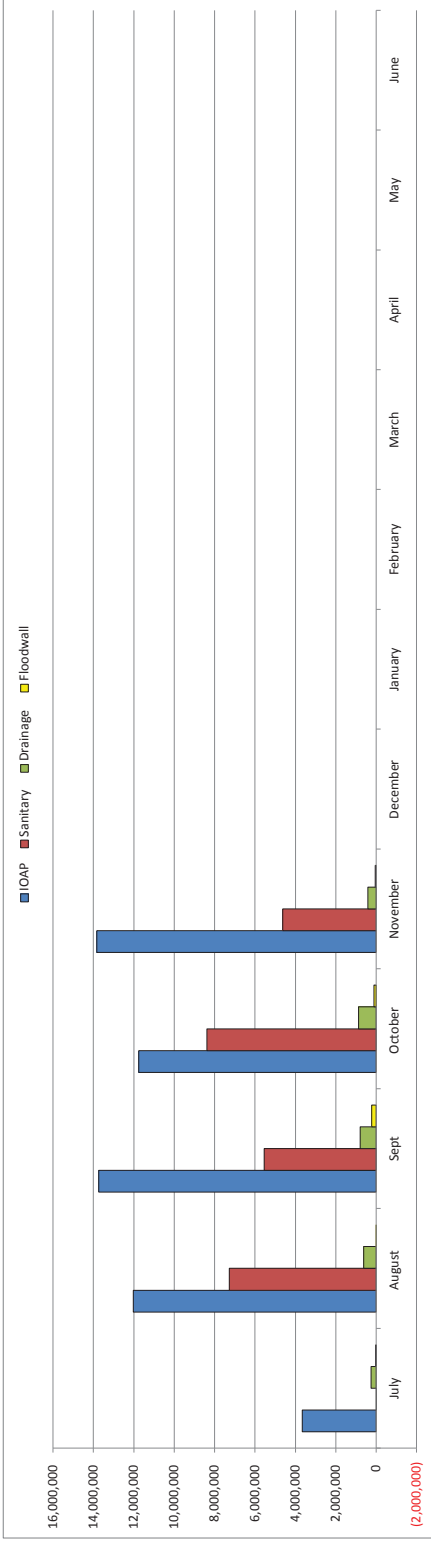
**Total Expenditures to Date:
\$71,983,984**



Prepared by: Patrick Meador

MSD MONTHLY CAPITAL SPENDING BY TYPE
(Includes Capitalized Overhead)

As of 11/30/16



	2017	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP		3,667,712	12,017,913	13,728,353	11,757,608	13,831,683	0	0	0	0	0	0	0	55,003,270	65%
Sanitary		(10,704)	7,275,603	5,542,202	8,389,495	4,630,529	0	0	0	0	0	0	0	25,827,125	31%
Drainage		259,461	617,136	787,398	877,100	418,046	0	0	0	0	0	0	0	2,959,141	4%
Floodwall		13,536	9,000	220,333	108,090	47,253	0	0	0	0	0	0	0	398,212	0%
Total		3,930,005	19,919,652	20,278,286	21,132,293	18,927,512	0	0	0	0	0	0	0	84,187,748	100%

	2016	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP		2,920,591	9,097,780	10,542,172	14,707,509	8,883,555	11,573,056	11,109,444	16,254,456	5,606,576	16,050,916	10,349,983	25,403,000	142,499,038	66%
Sanitary		3,144,341	1,453,932	2,734,335	6,039,947	4,413,240	5,137,157	4,928,331	3,960,709	6,923,941	5,712,091	8,976,438	13,880,146	67,304,607	31%
Drainage		76,939	381,782	244,304	514,394	303,461	329,701	389,911	462,489	334,401	280,446	819,545	408,870	4,546,243	2%
Floodwall		79,886	154,785	2,026	219	223,877	114,519	97,463	35,573	53,119	96,763	111,590	592,020	1,561,839	1%
Total		6,221,756	11,088,279	13,522,838	21,262,069	13,824,133	17,154,433	16,525,148	20,713,227	12,918,037	22,140,216	20,257,556	40,284,036	215,911,728	100%

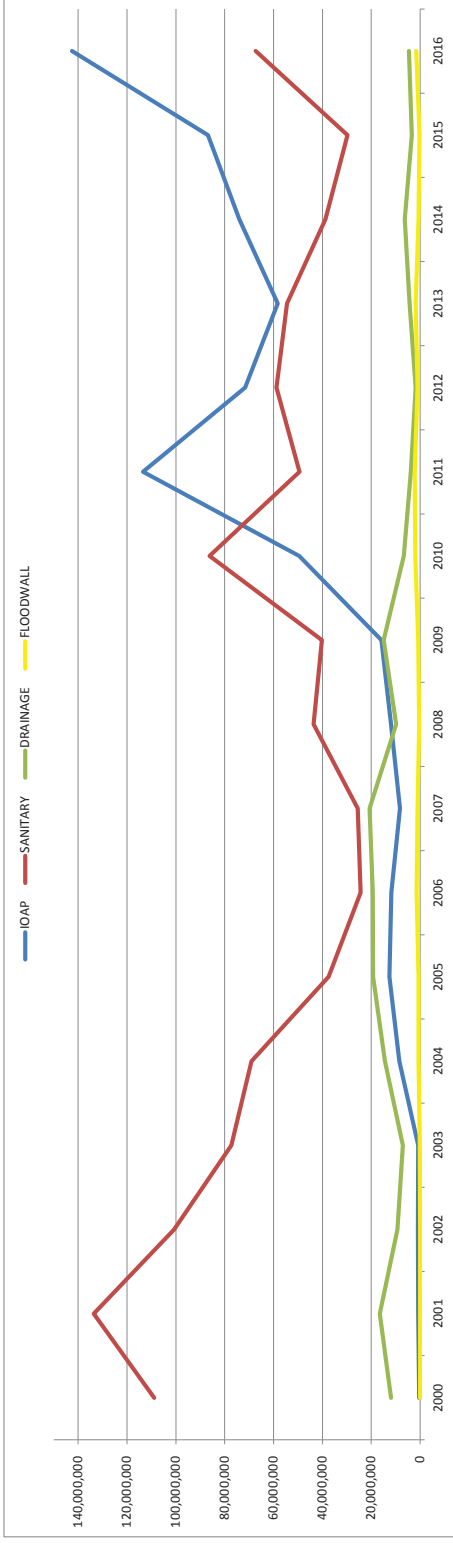
	2015	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP		6,096,532	6,975,721	1,186,858	11,130,272	6,371,146	9,918,927	4,608,741	7,536,045	6,076,334	9,090,729	9,164,068	8,673,769	86,829,140	72%
Sanitary		529,795	2,475,179	617,925	2,987,929	1,891,324	2,054,147	5,084,817	3,523,559	2,722,138	1,872,921	3,506,151	2,478,717	29,744,603	25%
Drainage		960,363	725,992	43,287	45,925	45,394	183,790	216,972	132,206	86,426	166,493	387,117	467,906	3,461,871	3%
Floodwall		38,722	4,937	(7,193)	(4,308)	(1,345)	19,536	2,545	(248)	(12)	35,001	88,640	86,814	263,089	0%
Total		7,625,412	10,181,829	1,840,877	14,159,818	8,306,519	12,176,400	9,913,075	11,191,562	8,884,886	11,165,144	13,145,976	11,707,206	120,298,703	100%
(Negative September / October spending caused by reversal of FY14 Capital accruals.)															

	2014	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP		9,806,841	(90,026)	4,852,546	7,439,649	3,927,151	6,267,677	8,255,257	5,075,129	5,238,275	4,214,331	7,915,747	11,070,744	73,973,321	62%
Sanitary		2,136,563	1,286,277	1,872,499	5,342,248	3,952,920	2,946,309	3,544,634	3,939,437	2,770,161	2,924,565	3,316,175	4,733,260	38,765,047	32%
Drainage		194,007	(237,925)	2,153,213	807,252	506,540	194,867	58,480	175,636	249,928	461,670	209,747	1,455,555	6,228,970	5%
Floodwall		55,682	27,550	43,579	71,149	13,126	158,398	33,108	(403)	82,838	100,153	8,834	80,523	674,536	1%
Total		12,193,092	985,876	8,921,837	13,660,298	8,399,737	9,567,252	11,891,478	9,189,799	8,341,201	7,700,719	11,450,503	17,340,083	119,641,875	100%

IOAP: Integrated [Overflow](#) [Abatement Plan](#)

Prepared by: Patrick Meador

MSD ANNUAL CAPITAL SPENDING BY TYPE
(Includes Capitalized Overhead)
Years 2000 through 2016



2017	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP	3,667,712	15,685,625	29,413,979	41,171,587	55,003,270	0	0	0	0	0	0	0	55,003,270	65%
Sanitary	(10,704)	7,264,899	12,807,101	21,196,596	25,827,125	0	0	0	0	0	0	0	25,827,125	31%
Drainage	259,461	876,597	1,663,995	2,541,095	2,959,141	0	0	0	0	0	0	0	2,959,141	4%
Floodwall	13,536	22,536	242,869	350,959	398,212	0	0	0	0	0	0	0	398,212	0%
Total	3,930,005	23,849,657	44,127,943	65,260,236	84,187,748	0	0	0	0	0	0	0	84,187,748	100%

2016	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP	2,920,591	12,018,371	22,560,543	37,268,053	46,151,607	57,724,663	68,834,107	85,088,564	90,695,139	106,746,055	117,096,038	142,499,038	142,499,038	66%
Sanitary	3,144,341	4,598,273	7,332,608	13,372,555	17,785,795	22,922,952	27,851,283	31,811,992	38,735,933	44,448,024	53,424,461	67,304,607	67,304,607	31%
Drainage	76,939	458,721	703,025	1,217,419	1,520,880	1,850,581	2,240,492	2,702,981	3,037,382	3,317,828	4,137,373	4,546,243	4,546,243	2%
Floodwall	79,886	234,671	236,697	236,916	460,793	575,311	672,774	708,347	761,466	858,229	969,819	1,561,839	1,561,839	1%
Total	6,221,756	17,310,035	30,832,873	52,094,942	65,919,075	83,073,508	99,598,656	120,311,883	133,229,920	155,370,136	175,627,691	215,911,728	215,911,728	100%

2015	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP	6,096,532	13,072,253	14,259,111	25,389,383	31,760,529	41,679,456	46,288,197	53,824,241	59,900,575	68,991,304	78,155,371	86,829,140	86,829,140	72%
Sanitary	529,795	3,004,974	3,622,899	6,610,828	8,502,152	10,536,817	15,641,116	19,164,675	21,886,813	23,759,734	27,265,886	29,744,603	29,744,603	25%
Drainage	960,363	1,686,355	1,729,642	1,775,567	1,820,961	2,004,751	2,221,723	2,353,929	2,440,355	2,606,848	2,993,965	3,461,871	3,461,871	3%
Floodwall	38,722	43,659	36,466	32,158	30,813	50,349	52,894	52,646	52,635	87,636	176,275	263,089	263,089	0%
Total	7,625,412	17,807,241	19,648,118	33,807,936	42,114,455	54,290,855	64,203,930	75,395,492	84,280,378	95,445,522	108,591,498	120,298,703	120,298,703	100%

2014	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
IOAP	9,806,841	9,716,815	14,569,361	22,009,010	25,936,161	32,203,838	40,459,095	45,534,224	50,772,499	54,986,830	62,902,577	73,973,321	73,973,321	62%
Sanitary	2,136,563	3,422,840	5,295,339	10,637,587	14,590,507	17,536,817	21,081,450	25,020,887	27,791,048	30,715,612	34,031,787	38,765,047	38,765,047	32%
Drainage	194,007	(43,918)	2,109,295	2,916,546	3,423,086	3,617,954	3,676,434	3,852,070	4,101,998	4,563,667	4,773,414	6,228,970	6,228,970	5%
Floodwall	55,682	83,232	126,811	197,960	211,086	369,484	402,592	402,189	485,026	585,180	594,014	674,536	674,536	1%
Total	12,193,092	13,178,969	22,100,806	35,761,104	44,160,841	53,728,093	65,619,571	74,809,369	83,150,570	90,851,289	102,301,792	119,641,875	119,641,875	100%

IOAP: Integrated Overflow Abatement Plan

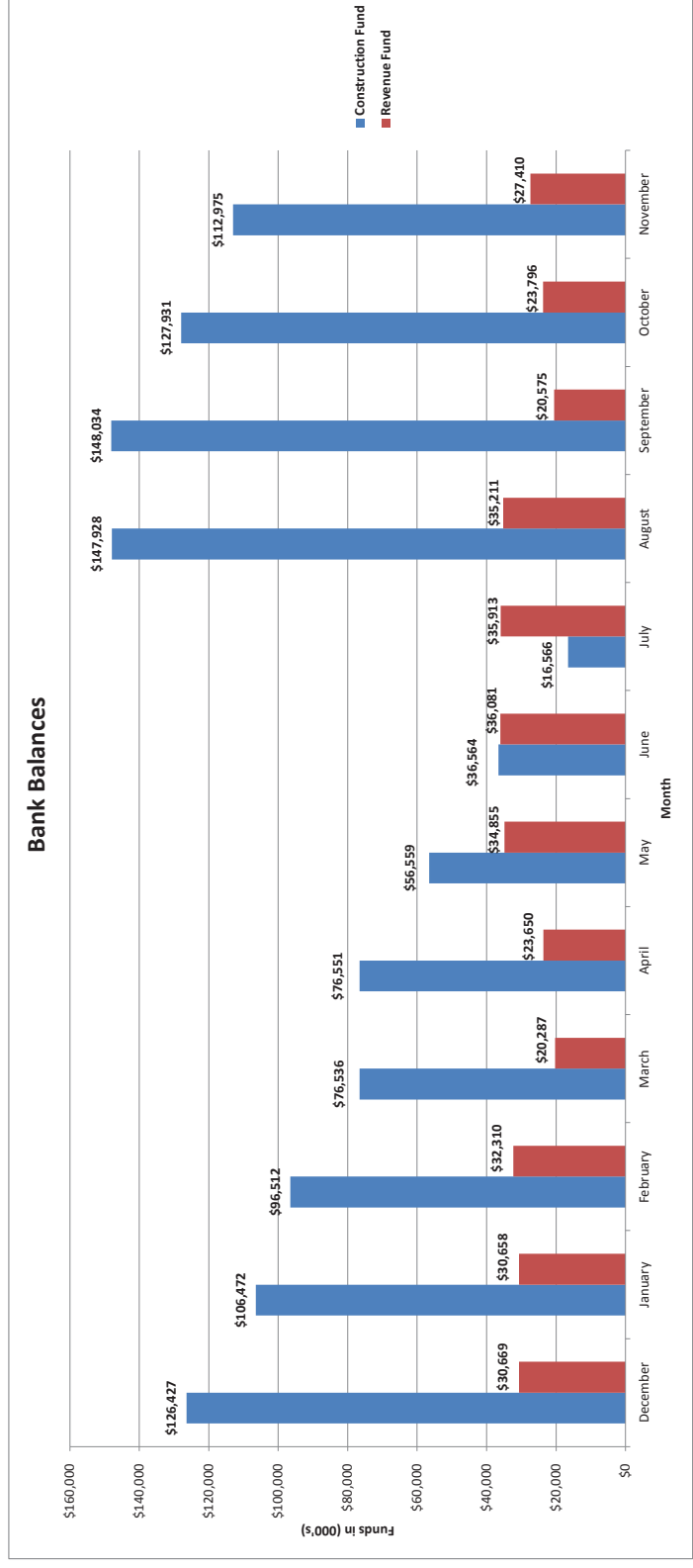
Prepared by: Patrick Meador

MSD CASH FLOW SUMMARY (000's)

SAP CASH ACTIVITY

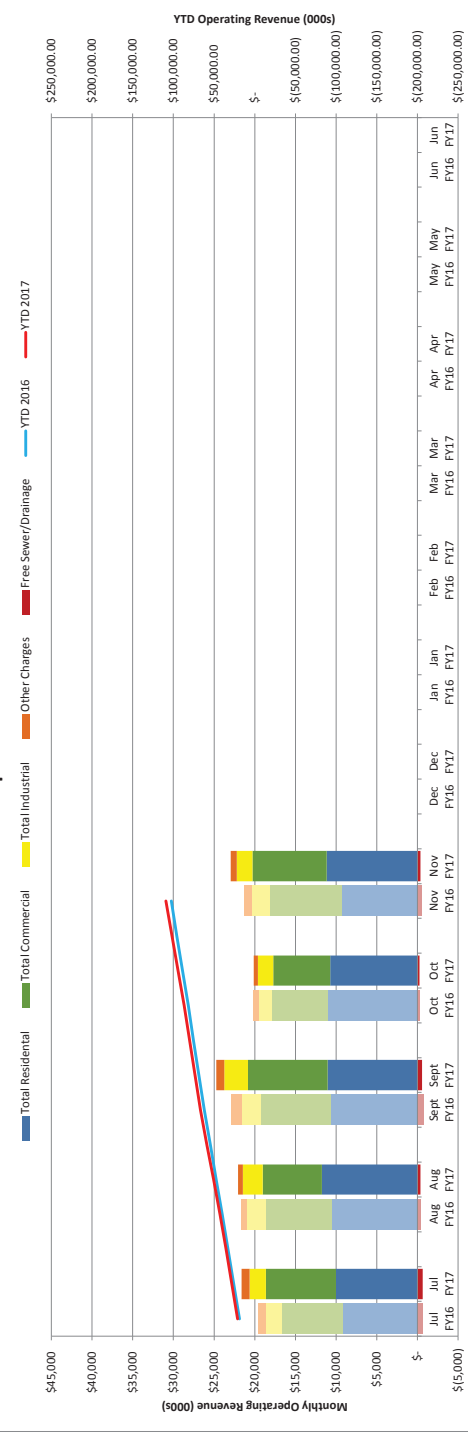
12 Month Rolling Average December 2015-November 2016

	December	January	February	March	April	May	June	July	August	September	October	November
Revenue Total	\$ 23,358	\$ 17,587	\$ 23,565	\$ 24,090	\$ 19,195	\$ 25,625	\$ 21,791	\$ 19,908	\$ 25,268	\$ 21,443	\$ 24,719	\$ 26,822
Operating Expense	(11,776)	(8,187)	(8,155)	(10,593)	(11,018)	(12,483)	(12,483)	(11,165)	(10,723)	(11,034)	(12,067)	(9,717)
Debt Service	(10,541)	(10,766)	(10,768)	(10,761)	(10,762)	(10,811)	(10,811)	(10,817)	(10,811)	(11,900)	(11,910)	(11,887)
Funds Available	\$ 1,041	\$ (1,366)	\$ 4,642	\$ 2,736	\$ (2,585)	\$ 2,330	\$ (1,504)	\$ (2,074)	\$ 3,733	\$ (1,491)	\$ 742	\$ 5,219
Transfers In	10,000	20,000	10,000	20,000	0	20,000	20,000	20,000	18,935	33	20,184	15,000
Capital Payments	(16,114)	(14,518)	(17,539)	(11,400)	(15,554)	(14,151)	(23,965)	(12,013)	(22,350)	(17,054)	(17,019)	(12,720)
Net Change	\$ (5,073)	\$ 4,116	\$ (2,898)	\$ 11,336	\$ (18,139)	\$ 8,179	\$ (5,469)	\$ 5,913	\$ 319	\$ (18,512)	\$ 3,907	\$ 7,498



Residential	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	YTD Totals	%
Sewer														
Service Charge	\$ 2,758	\$ 3,184	\$ 3,025	\$ 2,912	\$ 3,091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,969	27.36%
Volume Charges	3,420	3,961	3,824	3,539	3,795	-	-	-	-	-	-	-	18,539	33.89%
Quality Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
Meter Reading Charge	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
Consent Decree Charge	2,311	2,662	2,541	2,440	2,586	-	-	-	-	-	-	-	12,541	22.92%
Senior Citizen Discount	(58)	(80)	(61)	(74)	(67)	-	-	-	-	-	-	-	(340)	-0.62%
Drainage														
Drainage Fees	1,586	2,032	1,725	1,908	1,745	-	-	-	-	-	-	-	8,996	16.44%
Total Residential	\$ 10,017	\$ 11,759	\$ 11,063	\$ 10,725	\$ 11,151	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,704	100.00%
Commercial														
Sewer														
Service Charge	\$ 734	\$ 529	\$ 788	\$ 506	\$ 788	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,345	8.00%
Volume Charges	3,794	2,963	4,413	2,961	3,920	-	-	-	-	-	-	-	18,051	43.18%
Quality Charges	81	84	77	72	86	-	-	-	-	-	-	-	401	0.96%
Meter Reading Charge	16	13	16	15	11	-	-	-	-	-	-	-	71	0.17%
Consent Decree Charge	1,253	985	1,462	983	1,360	-	-	-	-	-	-	-	6,044	14.46%
Drainage														
Drainage Fees	2,740	2,683	3,037	2,481	2,948	-	-	-	-	-	-	-	13,889	33.23%
Total Commercial	\$ 8,619	\$ 7,258	\$ 9,794	\$ 7,018	\$ 9,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,801	100.00%
Industrial														
Sewer														
Service Charge	\$ 52	\$ 45	\$ 64	\$ 51	\$ 55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 266	2.39%
Volume Charges	802	819	905	664	774	-	-	-	-	-	-	-	3,964	35.51%
Quality Charges	596	1,066	1,291	702	572	-	-	-	-	-	-	-	4,227	37.87%
Meter Reading Charge	8	9	8	9	7	-	-	-	-	-	-	-	40	0.36%
Consent Decree Charge	250	255	283	209	244	-	-	-	-	-	-	-	1,242	11.12%
Drainage														
Drainage Fees	283	237	354	249	302	-	-	-	-	-	-	-	1,424	12.76%
Total Industrial	\$ 1,991	\$ 2,430	\$ 2,904	\$ 1,884	\$ 1,953	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,162	100.00%
Other Charges														
Free Charges	\$ 979	\$ 616	\$ 991	\$ 493	\$ 732	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,812	
Free Sewer	\$ (629)	\$ (390)	\$ (562)	\$ (264)	\$ (373)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,218)	
Free Drainage													\$ -	
Total Sewer	\$ 16,368	\$ 16,720	\$ 19,065	\$ 15,217	\$ 17,582	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,953	77.75%
Total Drainage	\$ 4,609	\$ 4,952	\$ 5,115	\$ 4,938	\$ 4,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,309	22.25%
Total Service Charges	\$ 20,977	\$ 21,672	\$ 24,180	\$ 19,956	\$ 22,577	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 109,262	100.00%

Revenue Comparison - FY 2016 to FY 2017



Louisville and Jefferson County
Metropolitan Sewer District
Wastewater Customer Count

Nov-16

Plant Code	Service Area	Residential Customers		Commercial Customers		Industrial Customers		Metro Customers		Multi Customers		Total Customers	
		Actives	Inactives	Actives	Inactives	Actives	Inactives	Actives	Inactives	Actives	Inactives	Actives	Inactives
140	Derek Guthrie	LWC	62,588	3,076	361	22	2	25	1	2	1	66,218	3,441
151	Morris Forman - City	LWC	68,077	11,209	1,652	242	71	237	11	2	24	77,404	12,967
152	Morris Forman - County	LWC	50,506	1,298	486	50	3	33	0	1	1	55,194	1,788
153	Hite Creek	LWC	9,921	160	31	8	0	0	0	1	0	10,533	191
235	Glen Oaks - Sec. 5 Only (Hite Creek)	LWC	267	0	0	0	0	0	0	0	0	268	0
237	Cedar Creek	LWC	17,096	263	58	8	1	3	0	6	0	18,171	322
244	Moser Farm (Hite Creek)	LWC	166	0	0	0	0	0	0	0	0	166	0
294	Floyds Fork	LWC	8,417	98	17	2	0	3	0	0	0	8,871	115
Sub-Total			217,038	16,104	2,605	332	77	301	12	12	26	236,825	18,824
Grand Total			233,142		21,747	409		313		38		255,649	

Submitted by: Adonis Henderson
Date: 12/5/2016

New Customer Count

November data for this chart is unavailable due to new system implementation.

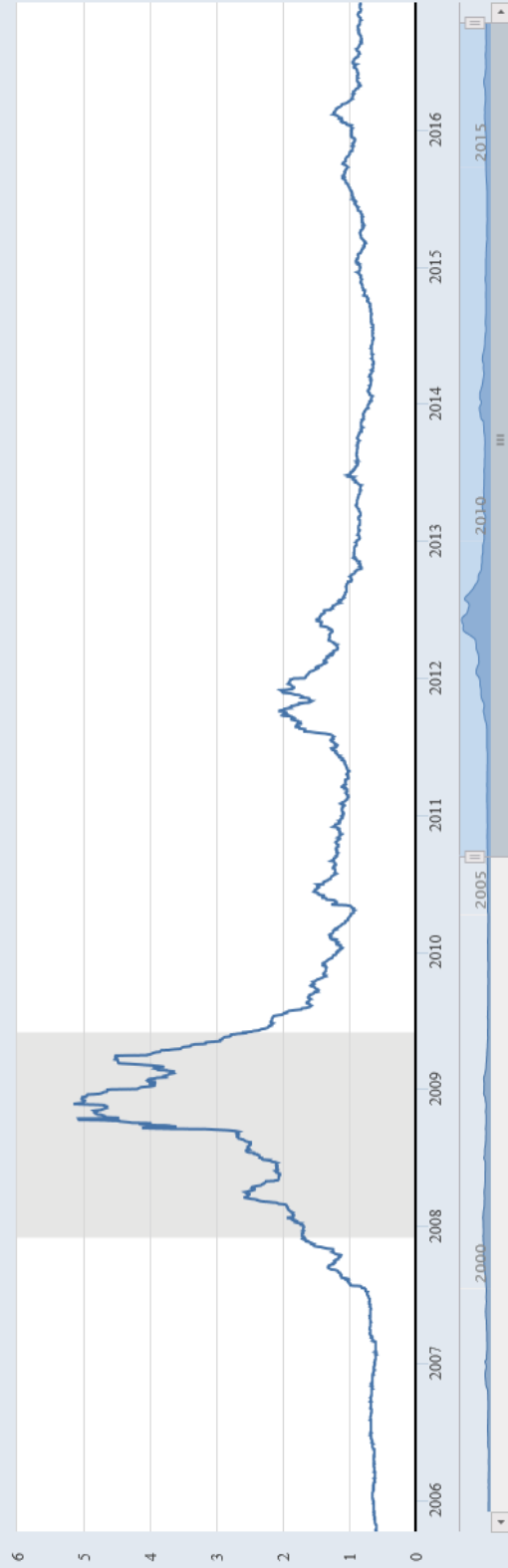
FRED

— BofA Merrill Lynch US Corporate AA Option-Adjusted Spread©



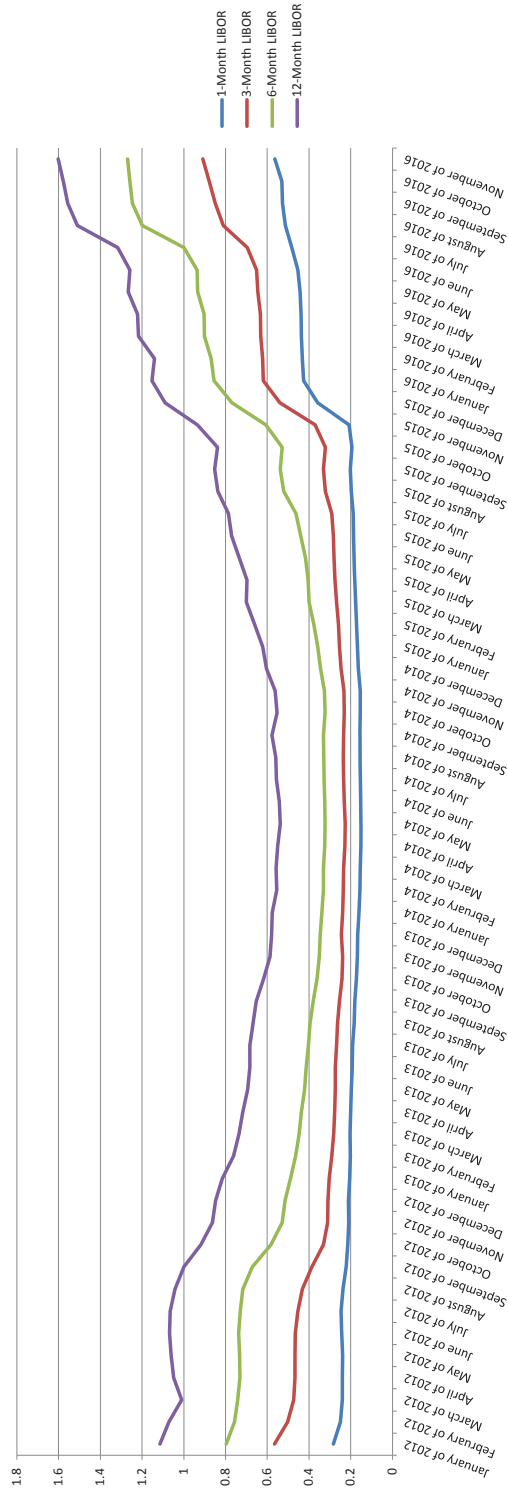
FRED

— BofA Merrill Lynch US Corporate AA Option-Adjusted Spread©

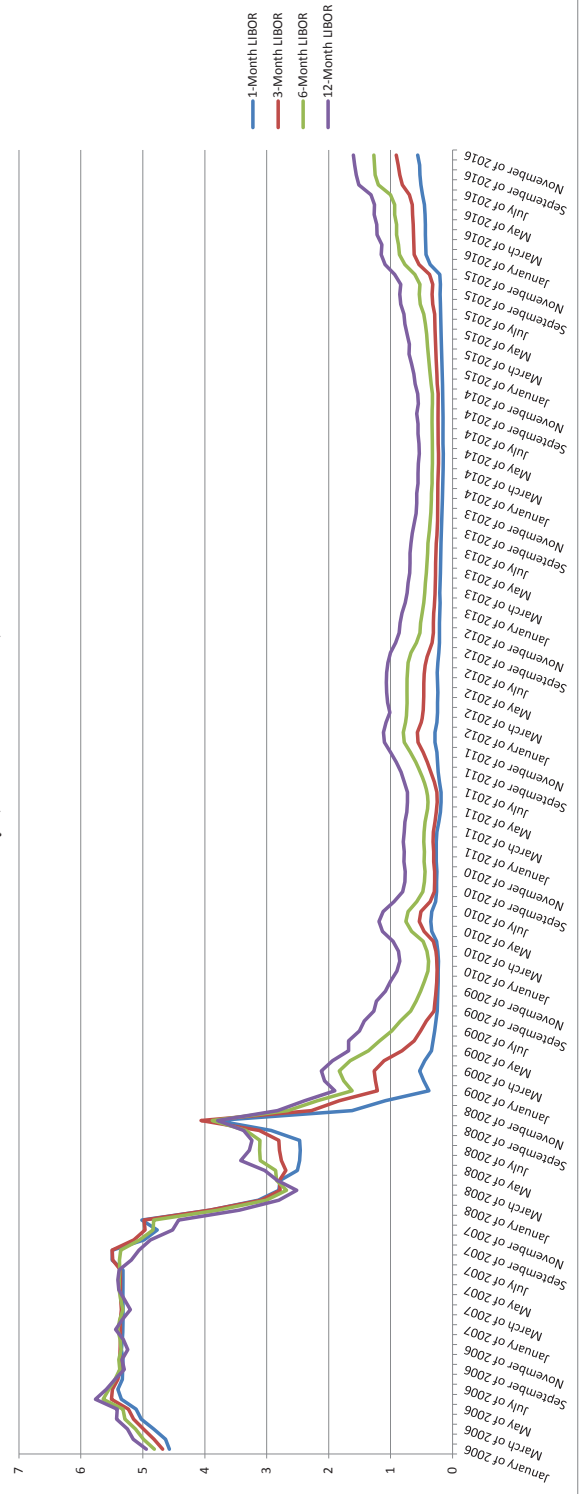


Market Rates

History of Eurodollar LIBOR Rates
January 1, 2012 - November 30, 2016



History of Eurodollar LIBOR Rates
January 1, 2006 - November 30, 2016



Kentucky Municipal Market Update

December 2016

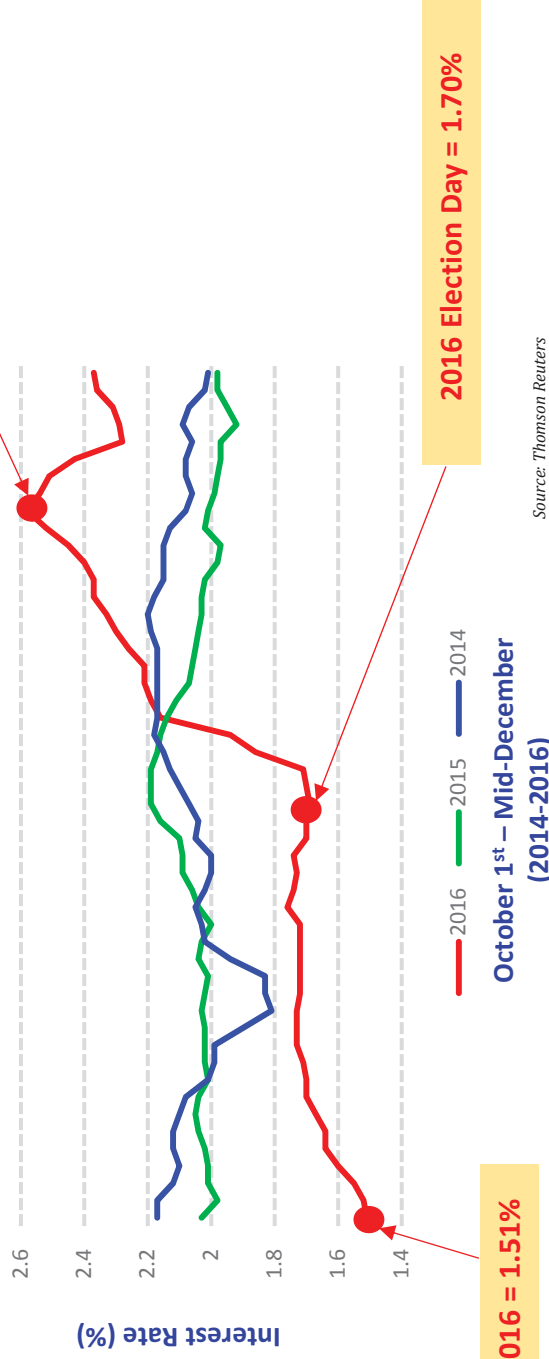


Prepared by the Public Finance Department of Hilliard Lyons for the Louisville & Jefferson Metropolitan Sewer District

Interest Rate Environment – Municipal Market Volatility

Municipal markets have seen more dramatic volatility since the November elections than has been typical for the last several years. Consider the graph below, charting the movement of the Municipal Market Data 10-Year Yield for the period of October to December for each of the last three years. The 10-Year Yield for 2014 and 2015 remained largely flat for the period, with ranges of 39 and 27 basis points between low and high yields, respectively. Conversely, 2016 has seen an increase of rates from a low in October of 1.51% to a high in early December of 2.58%, a change of 107 basis points. The sharp uptick in rates in November was in part a function of the expectation of a Fed rate hike, but may also have been something of a knee-jerk reaction to the prospect of lower marginal federal tax brackets. While January typically ushers in lower municipal rates, it remains to be seen if that will be the case heading in to 2017 as the markets continue to consider the ramifications of the election.

10 Year MMD (3-Year History)



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The information was obtained from sources which J.J.B. Hilliard, W.L. Lyons, LLC believes to be reliable but does not guarantee its accuracy and completeness. Please note, historical performance is not an indication of future results. Additional information is available upon request.

MSD Investments by Category
November 30, 2016

Total Cash & Investments by Category	Yield	Market Value	Face Value	Cost Value	Accrued Interest	Market Gain/Loss
Cash		27,309,985	27,309,985	27,309,985	-	-
FED HOME LN MTG CORP DEB		27,904,181	27,975,000	27,410,002	6,330	569,846
Municipal Obligations	4.3 - 4.7%	89,446,780	84,590,000	83,146,718	1,453,879	8,079,932
Commercial Paper	0.79%	39,978,110	39,874,677	39,874,678	-	-
Fed Gov Oblig Fund (money mkt)	.00 - .01%	38,724,222	38,722,462	38,722,462	-	1,760
Dreyfus Cash Mgmt (money mkt)	.00 - .01%	75,788,480	75,785,681	75,785,681	-	2,799
FED NATL MTGE ASSN DISC NOTE		-	-	-	-	-
FREDDIE MAC DISC. NOTE		14,985,000	14,967,770	14,967,771		
Certificate of Deposit	0.0175	100,000	100,000	100,000	-	-
		\$ 314,236,758	\$ 309,325,575	\$ 307,317,298	\$ 1,460,210	\$ 8,654,337

Total earnings on investments FYTD 2017	\$ 4,608,841
--	---------------------

Asset Description	Maturity Date	Market Value	Par Value	Cost	Rating (Moody's)	Market Yield	Coupon Rate	Yield to Maturity	Duration
AUSTIN TEX WTR & WASTEWATER	11/15/2040	\$ 5,525,650.00	\$ 5,000,000.00	\$	Aa2	4.49%	5.125%	4.19%	14.7
BAY AREA TOLL AUTH CALIF TOLL	4/1/2034	\$ 3,111,690.00	\$ 3,000,000.00	\$	Aa3	4.45%	5.00%	4.01%	12.0
BEAVERCREEK OHIO CITY SCH DIST	12/1/2036	\$ 1,367,011.80	\$ 1,260,000.00	\$	Aa2	4.47%	5.00%	4.13%	13.3
CHICAGO ILL	1/1/2039	\$ 5,640,657.75	\$ 5,160,000.00	\$	Ba1	4.71%	5.00%	4.56%	13.6
DALLAS TEX AREA RAPID TRAN	12/1/2036	\$ 1,200,000.00	\$ 2,000,000.00	\$	Aa3	4.46%	5.00%	4.11%	13.3
FLORIDA ST BRD ED PUB ED	6/1/2037	\$ 1,419,040.20	\$ 1,380,000.00	\$	Aa1	4.33%	4.75%	4.05%	13.6
HARRIS CNTY TEX FLOOD CTL DIST	10/1/2039	\$ 5,519,950.00	\$ 5,000,000.00	\$	Aa1	4.39%	5.00%	4.06%	14.3
JEA FLA WTR & SWR SYS REV	10/1/2039	\$ 1,042,430.25	\$ 955,000.00	\$	Aa2	4.41%	5.00%	4.09%	14.3
JEA FLA WTR & SWR SYS REV	10/1/2039	\$ 993,310.50	\$ 910,000.00	\$	Aa2	4.41%	5.00%	4.09%	14.3
KING CNTY WASH SWR REV	1/1/2039	\$ 4,966,242.00	\$ 5,265,000.00	\$	Aa2	4.39%	5.00%	4.04%	13.9
LAS VEGAS VALLEY NEV WTR DIST	2/1/2037	\$ 449,724.10	\$ 3,000,000.00	\$	Aa2	4.62%	5.00%	4.38%	13.0
LOS ANGELES CALIF DEPT ARPTS	5/15/2040	\$ 5,434,150.00	\$ 5,000,000.00	\$	Aa3	4.46%	5.00%	4.18%	14.6
LOS ANGELES CALIF DEPT WTR	7/1/2038	\$ 6,338,580.00	\$ 6,000,000.00	\$	Aa3	4.61%	5.25%	4.25%	13.4
LOUISIANA ST GAS & FUELS TAX	5/1/2040	\$ 5,443,150.00	\$ 5,000,000.00	\$	Aa2	4.38%	5.00%	4.05%	14.6
METROPOLITAN ATLANTA RAPID	7/1/2039	\$ 5,395,100.00	\$ 5,000,000.00	\$	A1	4.45%	5.00%	4.15%	14.0
NEW YORK N Y CITY MUN WTR FIN	6/15/2037	\$ 4,195,652.40	\$ 4,110,000.00	\$	Aa2	4.43%	5.00%	4.06%	13.2
NEW YORK N Y CITY MUN WTR FIN	6/15/2039	\$ 1,836,152.50	\$ 1,500,000.00	\$	Aa2	4.59%	5.00%	4.38%	13.8
NEW YORK N Y CITY MUN WTR FIN	6/15/2039	\$ 2,152,820.00	\$ 2,000,000.00	\$	Aa2	4.39%	5.00%	4.06%	14.0
PALM BEACH CNTY FLA PUB IMPT	5/1/2038	\$ 3,158,370.00	\$ 3,000,000.00	\$	Aa1	4.57%	5.00%	4.33%	13.7
SALT RIVER PROJ ARIZ AGRIC	1/1/2038	\$ 2,075,900.00	\$ 2,000,000.00	\$	Aa1	4.51%	5.00%	4.22%	13.4
SALT RIVER PROJ ARIZ AGRIC	1/1/2038	\$ 5,189,750.00	\$ 5,000,000.00	\$	Aa1	4.51%	5.00%	4.22%	13.4
TEXAS ST	4/1/2018	\$ 3,149,460.00	\$ 430,000.00	\$		4.14%	4.75%	-5.13%	2.8
TEXAS ST	4/1/2037	\$ 4,744,665.40	\$ 4,570,000.00	\$	Aaa	4.47%	4.75%	3.89%	13.6
TRIBOROUGH BRDG & TUNL AUTH N	11/15/2037	\$ 839,384.00	\$ 800,000.00	\$	Aa3	4.41%	5.00%	4.05%	13.7
TRIBOROUGH BRDG & TUNL AUTH N	11/15/2037	\$ 800,000.00	\$ 1,750,000.00	\$	Aa3	4.41%	5.00%	4.05%	13.7
TRIBOROUGH BRDG & TUNL AUTH N	11/15/2038	\$ 7,457,940.00	\$ 7,000,000.00	\$	Aa3	4.42%	5.00%	4.09%	14.0
Totals:		\$	\$	\$					
Average Years to Maturity:	21.55	\$ 89,446,780.90	\$ 86,090,000.00	\$					

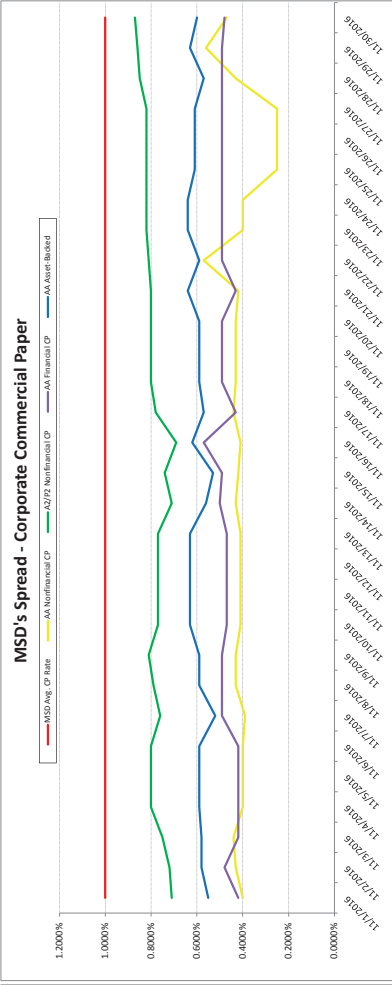
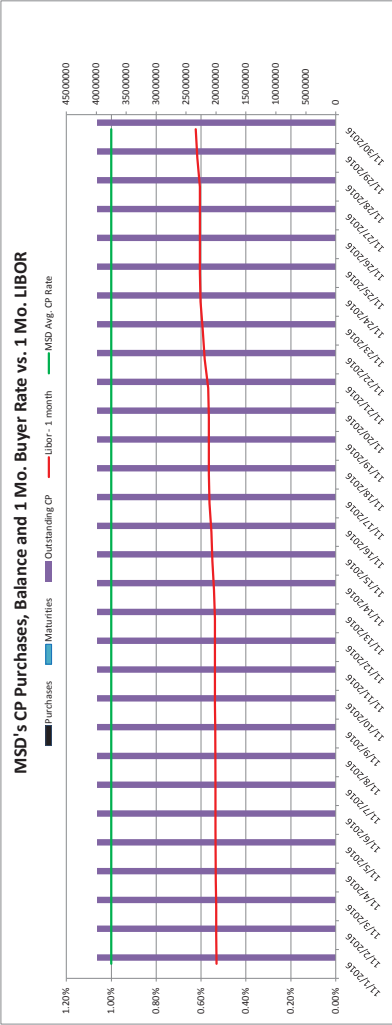
Unrealized Gain in Total (Market Value - Cost)
\$6,300,062.73

Total Weighted Average Yield to Maturity
3.96392%

Total Weighted Average Duration
13.94172

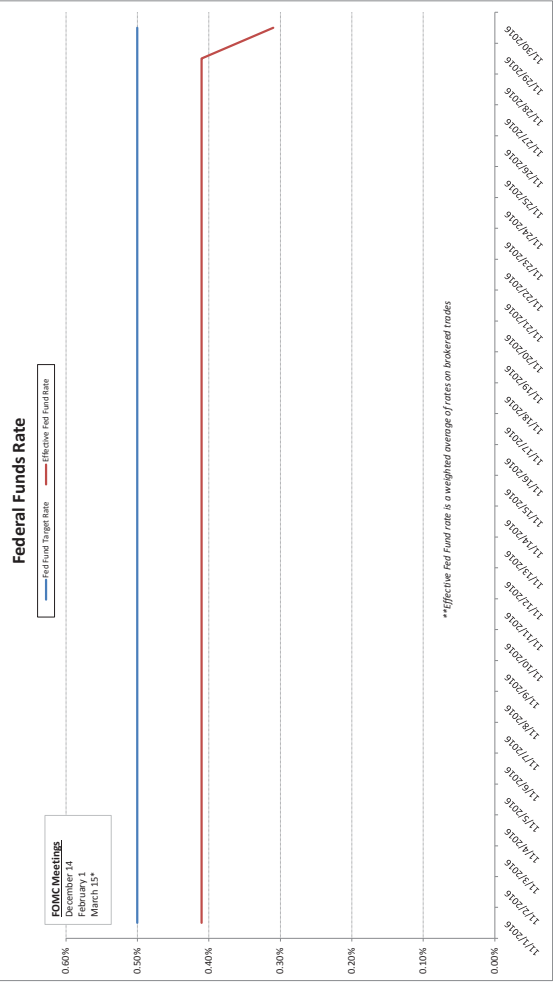
Total Weighted Average Coupon Rates
5.18186%

Total Weighted Average Market Yield
4.62726%



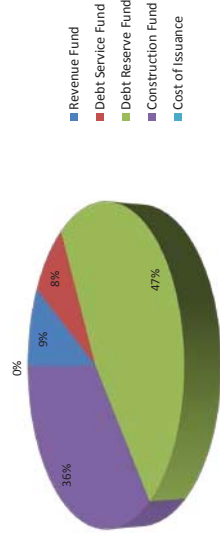
Outstanding as of 11/30/2016				
Company	Maturity Date	Purchase Amount	Maturity Amount	Rate ₁
Abby National	12/1/2016	\$ 19,959,111.00	\$ 20,118,783.89	0.800%
Sumitomo Mitsui	1/27/2017	\$ 19,915,567.00	\$ 20,154,553.80	1.200%
Total:		\$ 39,874,678.00	\$ 40,273,337.69	0.9998%

¹ Total rate shown is MSD's weighted average CP rate at month's end



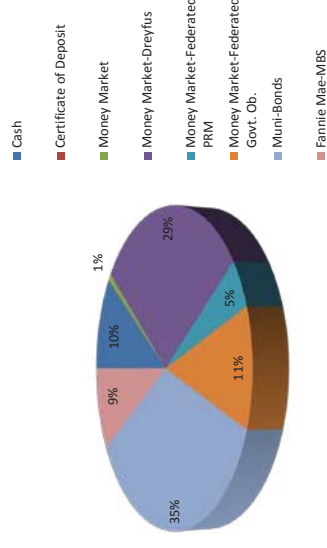
Series	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Totals
2007A	\$ -	\$ 884,405.80	\$ -	\$ -	\$ -	\$ 884,405.80
2008A	\$ -	\$ 1,317,782.12	\$ 4,354,352.23	\$ -	\$ -	\$ 5,672,134.35
2009A	\$ -	\$ 3,389,946.22	\$ 11,271,026.68	\$ -	\$ -	\$ 14,660,972.90
2009B	\$ -	\$ 8,803,680.19	\$ 28,243,149.69	\$ -	\$ -	\$ 37,046,829.88
2009C	\$ -	\$ 449,019.31	\$ 25,531,868.01	\$ -	\$ -	\$ 25,980,887.32
2010A	\$ -	\$ 860,346.07	\$ 38,624,262.77	\$ -	\$ -	\$ 39,484,608.84
2011A	\$ -	\$ 1,599,973.97	\$ -	\$ -	\$ -	\$ 1,599,973.97
2015 BAN	\$ -	\$ 305.38	\$ -	\$ -	\$ -	\$ 305.38
2016 BAN	\$ -	\$ 5,571,185.32	\$ 27,982,848.22	\$ -	\$ -	\$ 29,098,180.14
2013A&B	\$ -	\$ 1,115,331.92	\$ -	\$ -	\$ -	\$ 5,631,264.91
2013C	\$ -	\$ 264,187.13	\$ 5,367,077.78	\$ -	\$ -	\$ 168,321.58
2014A	\$ -	\$ 168,321.58	\$ -	\$ -	\$ -	\$ 4,932,974.57
2015A	\$ -	\$ 360,254.85	\$ 4,572,719.72	\$ -	\$ -	\$ 1,176,218.62
2015B	\$ -	\$ 1,176,218.62	\$ -	\$ -	\$ -	\$ 113,023,084.45
2016A	\$ -	\$ -	\$ -	\$ 112,975,287.43	\$ 47,797.02	\$ 113,023,084.45
Cash	\$ 25,365,694.22	\$ -	\$ -	\$ -	\$ -	\$ 25,365,694.22
Certificate of Deposit	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Money Market	\$ 1,944,291.18	\$ -	\$ -	\$ -	\$ -	\$ 1,944,291.18
Totals	\$ 27,409,985.40	\$ 25,960,958.48	\$ 145,947,305.10	\$ 112,975,287.43	\$ 47,797.02	\$ 312,341,333.43

MSD's Fund Totals



Asset Description	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Totals
Cash	\$ 25,365,694.22	\$ -	\$ -	\$ -	\$ 47,797.02	\$ 25,413,491.24
Certificate of Deposit	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Money Market	\$ 1,944,291.18	\$ -	\$ -	\$ -	\$ -	\$ 1,944,291.18
Money Market-Dreyfus	\$ -	\$ 5,592,134.14	\$ 9,161,828.91	\$ 58,012,176.77	\$ -	\$ 72,766,139.82
Money Market-Federated PRM	\$ -	\$ 8,803,680.19	\$ 3,022,340.44	\$ -	\$ -	\$ 11,826,020.63
Money Market-Federated Govt. Ob.	\$ -	\$ 11,565,144.15	\$ 16,412,173.58	\$ -	\$ -	\$ 27,977,317.73
Muni-Bonds	\$ -	\$ -	\$ 89,446,780.90	\$ -	\$ -	\$ 89,446,780.90
Fannie Mae-MBS	\$ -	\$ -	\$ 22,756,089.72	\$ -	\$ -	\$ 22,756,089.72
Treasury - Agency	\$ -	\$ -	\$ 5,148,091.55	\$ -	\$ -	\$ 20,133,091.55
Corporate Commercial Paper	\$ -	\$ -	\$ -	\$ 14,985,000.00	\$ -	\$ 14,985,000.00
Asset Backed Commercial Paper	\$ -	\$ -	\$ -	\$ 39,978,110.66	\$ -	\$ 39,978,110.66
Totals	\$ 27,409,985.40	\$ 25,960,958.48	\$ 145,947,305.10	\$ 112,975,287.43	\$ 47,797.02	\$ 312,341,333.43

MSD's Asset Breakdown

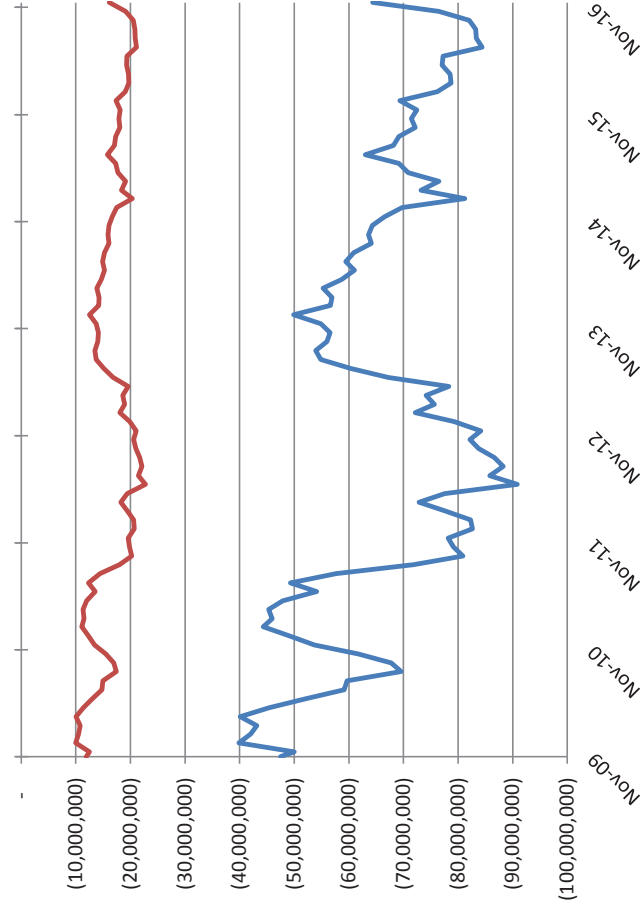


Louisville and Jefferson County Metropolitan Sewer District

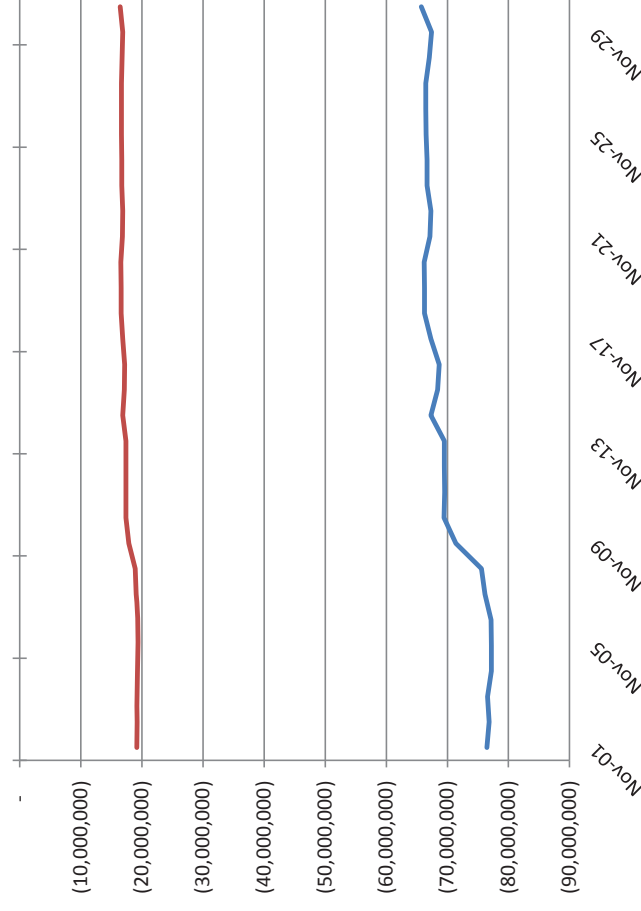
Monthly Swap Report

Swap Provider	Swap ID	Description	Effective Date	Expiration Date	Current Notional	MSD Pays	MSD Receives	Market Rate	MTM
Wells Fargo	2009-1	LIBOR Fixed Payer	11/15/2009	5/15/2033	\$180,716,000	4.4215%	67% of 1M LIBOR	1.49%	(\$65,738,379)
BofA/Merrill	2009-2	LIBOR Fixed Payer	11/15/2009	5/15/2033	45,284,000	4.4215%	67% of 1M LIBOR	1.49%	(16,452,766)
					\$226,000,000				TOTAL (\$82,191,145)

Historic Aggregate MTM (inception to present)



Historic Aggregate MTM (last month)



All values reflect "mid-market" conditions as of market close 11/30/2016 and exclude accrued interest

The accompanying information was obtained from sources which William Blair & Company, L.L.C. believes to be reliable but does not guarantee its accuracy and completeness. The material has been prepared solely for informational purposes and is not a solicitation of an offer to buy or sell any security or instrument or to participate in any trading strategy. Historical data is not an indication of future results. The opinions expressed are our own unless otherwise stated. Additional information is available upon request.

William Blair & Company, LLC

12/6/2016

PERFORMANCE MATRIX - OPERATING EXPENSE

FY 2017

"Manage the operating units of MSD within the FY2017 budget, delivering reliable and responsive services to customers."

Year to Date Totals		ACTUALS												
		Q&M Budget	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
FY12 YTD Total	111,795,300	6,938,802	16,201,752	24,902,770	33,479,442	42,814,484	51,935,981	61,511,843	69,073,118	78,407,069	87,058,106	96,507,485	106,587,246	
FY13 YTD Total	117,433,000	7,542,927	15,776,654	24,954,227	33,728,389	41,767,405	50,599,259	60,126,918	67,751,390	77,063,950	86,612,356	96,217,336	108,535,303	
FY14 YTD Total	115,280,596	8,456,854	16,096,345	25,381,204	34,584,770	42,559,114	51,600,642	60,344,260	68,384,591	77,766,147	86,691,675	94,446,233	107,650,171	
FY15 YTD Total	115,975,014	6,671,498	14,866,211	23,553,895	31,636,191	40,321,276	50,333,536	58,353,348	66,508,611	75,879,722	85,389,477	95,219,201	106,174,406	
FY16 YTD Total	116,021,156	7,762,835	16,440,660	28,342,724	37,926,793	46,102,024	58,298,571	68,378,257	75,313,842	86,045,680	95,886,535	105,489,677	114,719,776	
FY17 YTD Total	120,930,511	7,620,192	20,131,479	27,277,326	36,914,606	46,463,982								
Percent Expended to Date														
FY12 YTD Total		6.51%	15.20%	23.36%	31.41%	40.17%	48.73%	57.71%	64.80%	73.56%	81.68%	90.54%	100.00%	
FY13 YTD Total		6.95%	14.54%	22.99%	31.08%	38.48%	46.62%	55.40%	62.42%	71.00%	79.80%	88.65%	100.00%	
FY14 YTD Total		7.86%	14.95%	23.58%	32.13%	39.53%	47.93%	56.06%	63.52%	72.24%	80.53%	87.73%	100.00%	
FY15 YTD Total		6.28%	14.00%	22.18%	29.80%	37.98%	47.41%	54.96%	62.64%	71.47%	80.42%	89.68%	100.00%	
FY16 YTD Total		6.77%	14.33%	24.71%	33.06%	40.19%	50.82%	59.60%	65.65%	75.01%	83.58%	91.95%	100.00%	
5 YEAR AVERAGE			6.87%	14.60%	23.36%	31.49%	39.27%	48.30%	56.75%	63.81%	72.66%	81.20%	89.71%	100.00%
Performance Matrix Results - FY 2016														
FY16 YTD Budget		10,710,546	20,095,154	29,683,058	40,294,935	49,395,127	58,567,261	69,210,179	77,748,089	87,051,857	97,582,418	106,511,877	116,021,156	
FY16 YTD Total		7,762,835	16,440,660	28,342,724	37,926,793	46,102,024	58,298,571	68,378,257	75,313,842	86,045,680	95,886,535	105,489,677	114,719,776	
Variance of Actual to Budget		(2,947,711)	(3,654,494)	(1,340,334)	(2,368,142)	(3,293,103)	(268,690)	(831,922)	(2,434,247)	(1,006,177)	(1,695,883)	(1,022,200)	(1,301,380)	
FY 2016 Performance Level Matrix Results			72.48%	81.81%	95.48%	94.12%	93.33%	99.54%	98.80%	96.87%	98.84%	98.26%	99.04%	98.88%
Performance Matrix Results - FY 2017														
FY17 YTD Budget		11,167,744	20,731,558	31,490,332	41,091,528	49,875,373	60,115,451	68,935,652	77,832,461	87,099,398	96,689,232	105,646,171	120,930,511	
FY17 YTD Total		7,620,192	20,131,479	27,277,326	36,914,606	46,463,982	0	0	0	0	0	0	0	
Variance of Actual to Budget		(3,547,552)	(600,079)	(4,213,006)	(4,176,922)	(3,411,391)	0	0	0	0	0	0	0	
FY 2017 Performance Level Matrix Results			68.23%	97.11%	86.62%	89.84%	93.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Performance Matrix		
Exceptionally Achieves	FY16 < 92.5%	FY17 < 92.5%
Commendably Achieves	92.6% - 95%	92.6% - 95%
Fully Achieves	95.1% - 100%	95.1% - 100%
Minimally Achieves	100.1% - 104.9%	100.1% - 104.9%
Fails to Achieve	> 105%	> 105%

Performance Matrix Results			
	Budget	Actual	Percentage
FY12	111,795,300	106,587,246	95.34%
FY13	117,433,000	108,535,303	92.42%
FY14	115,280,596	107,650,171	93.38%
FY15	115,975,014	108,496,496	93.55%
FY16	116,021,156	114,719,776	98.88%
			5 Yr. Average 94.72%

Results:			
2013	92.42%	Exceptionally Achieves	
2014	93.38%	Commendably Achieves	
2015	93.55%	Commendably Achieves	
2016	98.88%	Fully Achieves	

ASSUMPTIONS: Matrix results assume a typical weather year and no extraordinary events exceeding contingency reserve.

Prepared by: Patrick Meador

PERFORMANCE MATRIX - CAPITAL EXPENSE FY 2017

"Effectively manage the FY2017 Capital Program to assure projects are completed on time and within budget."

Year to Date Totals	ACTUALS											
	Budget	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
FY11 YTD Total	0	1,262,958	16,276,036	24,056,876	34,447,381	43,008,365	54,167,734	68,556,733	79,586,957	93,448,740	103,934,678	114,823,264
FY12 YTD Total	0	12,013,202	10,264,823	19,837,145	30,303,709	38,307,940	47,269,999	57,000,249	65,618,465	70,335,835	78,096,420	85,409,667
FY13 YTD Total	150,661,500	6,689,211	6,471,367	10,658,314	22,862,055	30,238,249	38,543,925	45,964,426	53,351,679	58,217,541	63,726,904	70,740,663
FY14 YTD Total	108,669,797	9,048,107	8,106,866	14,158,444	24,827,164	30,545,485	37,501,927	46,587,639	53,259,836	58,635,402	63,367,536	72,427,292
FY15 YTD Total	117,859,314	5,346,882	12,716,942	11,632,363	23,038,258	29,921,263	38,987,761	46,300,430	55,051,591	61,767,963	70,840,562	81,639,090
FY16 YTD Total	187,476,359	3,902,562	12,006,650	23,516,883	42,996,039	53,570,102	67,680,306	81,097,201	99,775,576	109,876,994	129,380,285	147,305,210
FY17 YTD Total	166,900,000	1,751,638	18,290,275	36,999,653	55,686,985	71,983,984	0	0	0	0	0	0
5 YEAR AVERAGE by Month		7.27%	1.53%	5.27%	11.29%	6.85%	8.29%	8.36%	8.39%	5.49%	7.50%	8.88%
YTD		7.27%	8.79%	14.06%	25.35%	32.20%	40.49%	48.85%	57.24%	62.73%	70.23%	79.11%
Performance Matrix Results - FY 2016												
FY16 Budget Comparative on 5 YEAR AVERAGE		13,169,669	18,455,035	28,096,986	48,109,118	61,115,056	76,799,685	93,641,169	108,558,831	120,554,222	133,487,416	149,429,910
FY16 YTD Total		3,902,562	12,006,650	23,516,883	42,996,039	53,570,102	67,680,306	81,097,201	99,775,576	109,876,994	129,380,285	147,305,210
Variance of Actual to 5 YEAR AVERAGE		(9,267,107)	(6,448,385)	(4,580,103)	(5,113,079)	(7,544,954)	(9,119,379)	(12,543,968)	(8,783,255)	(10,677,228)	(4,107,131)	(2,124,700)
FY 2016 Performance Level Matrix Results		29.63%	65.06%	83.70%	89.37%	87.65%	88.13%	86.60%	91.91%	91.14%	96.92%	98.19%
FY15 Actual versus Budget Results		64.88%	117.01%	64.45%	78.75%	80.37%	84.60%	82.03%	74.75%	76.16%	80.21%	83.81%
FY16 Actual versus Budget Results		29.63%	65.06%	83.70%	89.37%	87.65%	88.13%	86.60%	91.91%	91.14%	96.92%	98.19%
FY17 Budget Comparative on 5 YEAR AVERAGE		12,127,098	14,678,650	23,471,703	42,311,969	53,741,760	67,570,364	81,523,697	95,529,037	104,694,194	117,213,812	132,029,061
FY17 YTD Total		1,751,638	18,290,275	36,999,653	55,686,985	71,983,984	0	0	0	0	0	0
Variance of Actual to 5 YEAR AVERAGE		(10,375,460)	3,611,625	13,527,950	13,375,016	18,242,225	0	0	0	0	0	0
FY17 Actual versus Budget Results		14.44%	124.60%	157.64%	131.61%	133.94%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
FY15 Variance to Engineer's Estimate		63.98%	63.35%	60.73%	50.12%	44.54%	27.50%	19.92%	8.82%	8.79%	8.15%	8.01%
FY16 Variance to Engineer's Estimate		-8.24%	-6.27%	-1.76%	-1.28%	5.33%	1.00%	0.79%	0.77%	0.61%	-4.29%	-4.12%
FY17 Bid Estimate		3,635,730	4,022,730	4,263,730	5,530,956	7,794,867	0	0	0	0	0	0
FY17 Board Approved		2,916,055	3,336,643	3,569,581	4,730,888	7,619,575	0	0	0	0	0	0
FY17 Variance to Engineer's Estimate		-19.79%	-17.06%	-16.28%	-14.47%	-2.25%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
FY 2015 Performance Level Matrix Results		0.90%	53.66%	3.72%	28.63%	35.83%	57.10%	62.11%	65.93%	67.37%	72.06%	75.80%
FY 2016 Performance Level Matrix Results		37.87%	71.33%	85.46%	90.65%	82.32%	87.13%	85.81%	91.14%	90.53%	101.21%	103.37%
FY 2017 Performance Level Matrix Results		34.23%	141.66%	173.92%	146.08%	136.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
FY 2015 Performance Level Matrix Results		91.70%										
FY 2016 Performance Level Matrix Results		102.31%										

Performance Matrix		FY15	FY16	FY17
Exceptionally Achieves	>92.5%	>95.0%	>96.0%	>96.0%
Commendably Achieves	85% - 92.4%	90% - 94.9%	91% - 95.9%	91% - 95.9%
Fully Achieves	75% - 84.9%	80% - 89.9%	82% - 90.9%	82% - 90.9%
Minimally Achieves	65.1% - 74.9%	75% - 79.9%	77.1% - 81.9%	77.1% - 81.9%
Fails to Achieve	<65%	<75%	<77%	<77%

Results: 2013	59.92%	Minimally Achieves
2014	79.12%	Fully Achieves
2015	99.52%	Exceptionally Achieves
2016	102.31%	Exceptionally Achieves

(FY13 through FY15 included Actual vs. Budget % Only)

Performance Matrix Results (excludes Eng. Estimate)		
	Budget *	Actual *
FY12	156,193,500	102,508,269
FY13	150,661,500	90,283,467
FY14	108,669,797	85,978,375
FY15	117,859,314	117,298,703
FY16	187,476,359	184,082,207
AVERAGE	116,030,204	80.48%

(FY17 Actual to Budget % + / - FY17 Variance to Eng. Estimate %)

* Does not include Force Account amounts.

Prepared by: Patrick Meador

Performance Matrix - Regulatory

Notice to EPA

"Effectively operate wastewater plants to assure compliance with water quality regulations and improve the quality of area waterways."

Treatment Plant	Violations										
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
Cedar Creek	4	0	0	0	0	0	0	0	0		
Derek R. Guthrie	1	2	0	0	0	0	0	0	3		
Floyds Fork	4	2	0	1	0	0	0	0	0		
Hite Creek	0	2	0	4	0	0	0	0	0		
Morris Forman	0	0	3	2	0	0	0	0	15		
Closed Plants	33	10	23	19	6	22	13	4	2		
Total Violations - Cumulative	42	16	26	26	6	22	13	22	15		
Violation Months	30	15	9	15	4	12	8	9	7		

Violation Free Months (a) 87.50% 93.75% 96.25% 93.75% 98.33% 95.00% 96.30% 95.24% 93.33%

(a) each month per treatment plant without one or more NOV's

Regional Treatment Plants

	Unauthorized Dry Weather Discharges										
	2008	2009	2010	2011	2012	2013	2014	2015	2016		
Bypass	10	21	13	3	8	8	8	0	3		
Electrical	1	3	3	1	2	0	1	0	1		
Grease	0	4	1	1	0	1	4	6	2		
Mechanical	4	5	7	7	4	2	1	3	2		
Obstruction	3	4	9	13	16	8	4	5	3		
Flood	11	1	0	2	0	0	0	1	0		
Roots	7	3	4	3	2	2	5	2	1		
Structural	4	11	3	12	8	2	6	8	15		
Total Discharges - Cumulative (b)	40	52	40	42	40	23	29	25	27		
Discharge Months	40	52	40	42	40	23	29	25	27		

S. A. Discharge Free Months (c) 91.67% 89.17% 91.67% 91.25% 91.67% 95.21% 93.96% 94.79% 94.38%

(b) Excluding Power, Utility Damage and Upset causes.

(c) each month per sewer district without a discharge

	FY 2017 Violations											
	July	August	Sept.	October	November	December	January	February	March	April	May	June
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	0	0	4	5	4							
	0	0	4	9	13							
	0	0	1	2	3							
	0	0	1	2	3							
100.00%	100.00%	93.33%	90.00%	88.00%								

	FY17 Unauthorized Discharges											
	July	August	Sept.	October	November	December	January	February	March	April	May	June
	0	0	1	0	0	0						
	0	0	1	0	0	0						
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	0	0	0	0	0	0						
	1	1	0	0	0	0						
	1	2	4	4	4	4	4	4	4	4	4	4
	1	2	4	4	4	4	4	4	4	4	4	4
	97.50%	97.50%	96.67%	97.50%	98.00%							

98.8%	98.8%	95.0%	93.8%	93.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Weighted Average												

UD Performance Goals (50%)		
Discharges	FY 2017	
Exceptional Achieves	< 16	96.7%
Commendable Achieves	17 to 26	94.6%
Fully Achieves	27 to 40	91.7%
Minimal Achieves	41 to 51	89.4%
Fails to Achieve	> 52	89.2%

NOV Performance Goals (50%)		
NOVs	FY 2017	
Exceptional Achieves	< 3	95.0%
Commendable Achieves	4 to 5	91.7%
Fully Achieves	6 to 7	88.3%
Minimal Achieves	8 to 9	85.0%
Fails to Achieve	> 10	83.3%

Combined Goals		
FY 2016	FY 2017	
> 97%	> 95.8%	
95% to 96.9%	93.1% to 95.7%	
92.10% to 94.9%	90.0% to 93.0%	
89.10% to 92.0%	86.4% to 89.9%	
< 89%	< 86.3%	

Results:	2013	95.00%	Commendable Achieves
	2014	96.30%	Commendable Achieves
	2015	95.24%	Commendable Achieves
	2016	93.90%	Fully Achieves

Performance Matrix - Safety

OSHA Recordable Injuries
Lost Time due to Injury
Preventable Vehicular Accidents
FY 2017

"Develop a comprehensive Safety and Health program plan and provide a safe work environment for employees and the community."

	July	August	September	October	November	December	January	February	March	April	May	June
OSHA Recordable Injuries												
Cumulative Number	1	4	6	6	7	0	0	0	0	0	0	0
Annualized	12	24	24	18	17	0	0	0	0	0	0	0
Percentage	30%	60%	60%	45%	42%	0%	0%	0%	0%	0%	0%	0%
Lost Time due to Injury												
Cumulative Number	3	5	7	7	8	0	0	0	0	0	0	0
Annualized	36	30	28	21	19	0	0	0	0	0	0	0
Percentage	106%	88%	82%	62%	56%	0%	0%	0%	0%	0%	0%	0%
Preventable Accidents												
Cumulative Number	3	9	13	17	18	0	0	0	0	0	0	0
Annualized	36	54	52	51	43	0	0	0	0	0	0	0
Percentage	55%	83%	80%	78%	66%	0%	0%	0%	0%	0%	0%	0%
Weighted Average	63.7%	77.1%	74.1%	61.7%	55.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Actual	2011	2012	2013	2014	2015	2016	2017
	55	60	44	38	54	26	46
Average	33%						
Weight	33%						
Exceptional	< 32	80%	< 27.2	80%	< 52	80%	< 80.0%
Commendable	< 36	90%	< 30.5	90%	< 58.5	90%	< 80.1%
Fully	= 40	100%	= 34	100%	= 65	100%	= 80.1%
Minimal	> 44	110%	> 37.5	110%	> 71.5	110%	> 80.1%
Fails	> 48	120%	> 40.8	120%	> 78	120%	> 80.1%

Results:	2013	2014	2015	2016
	122%	86%	114%	80%
	Minimal Achieves	Commendable Achieves	Minimally Achieves	Exceptional Achieves

Weighted Average Performance Goals				
Exceptional Achieves	FY 2015	FY 2016	FY 2017	
Commendable Achieves	< 80%	< 80%	< 80%	
Fully Achieves	80.1% to 90%	80.1% to 90%	80.1% to 90%	
Minimal Achieves	90.1% to 100.0%	90.1% to 100.0%	90.1% to 100.0%	
Fails to Achieve	100.1% to 119.9%	100.1% to 119.9%	100.1% to 119.9%	
	> 120%	> 120%	> 120%	

Performance Matrix - Customer Service

Service Requests - MSD Assets
Drainage Service Requests
Backup Service Requests
FY 2017

"Achieving a premium level of customer care and service throughout MSD."

Service Requests - MSD Assets												
	July	August	September	October	November	December	January	February	March	April	May	June
Cumulative Service Requests Annualized	931	2,265	3,247	4,157	5,010	0	0	0	0	0	0	0
	11,172	13,590	12,988	12,472	12,023	0	0	0	0	0	0	0
Customers	255,292	255,292	255,426	255,050	255,649							
Percentage Free	95.6%	94.7%	94.9%	95.1%	95.3%							

Drainage Service Requests												
Cumulative Open Requests	1,670	3,578	5,296	6,902	8,367	0	0	0	0	0	0	0
Cumulative Open Requests < 9 Months	1,637	3,522	5,222	6,805	8,224	0	0	0	0	0	0	0
Percentage	98.0%	98.4%	98.6%	98.6%	98.3%							

Backup Service Requests												
Total Backup Requests	276	575	842	1,106	1,440	0	0	0	0	0	0	0
Backup Requests Responded to Within 4 Hours	272	554	817	1,068	1,379	0	0	0	0	0	0	0
Percentage	98.6%	96.3%	97.0%	96.6%	95.8%							

Weighted Average	97.4%	96.5%	96.8%	96.7%	96.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
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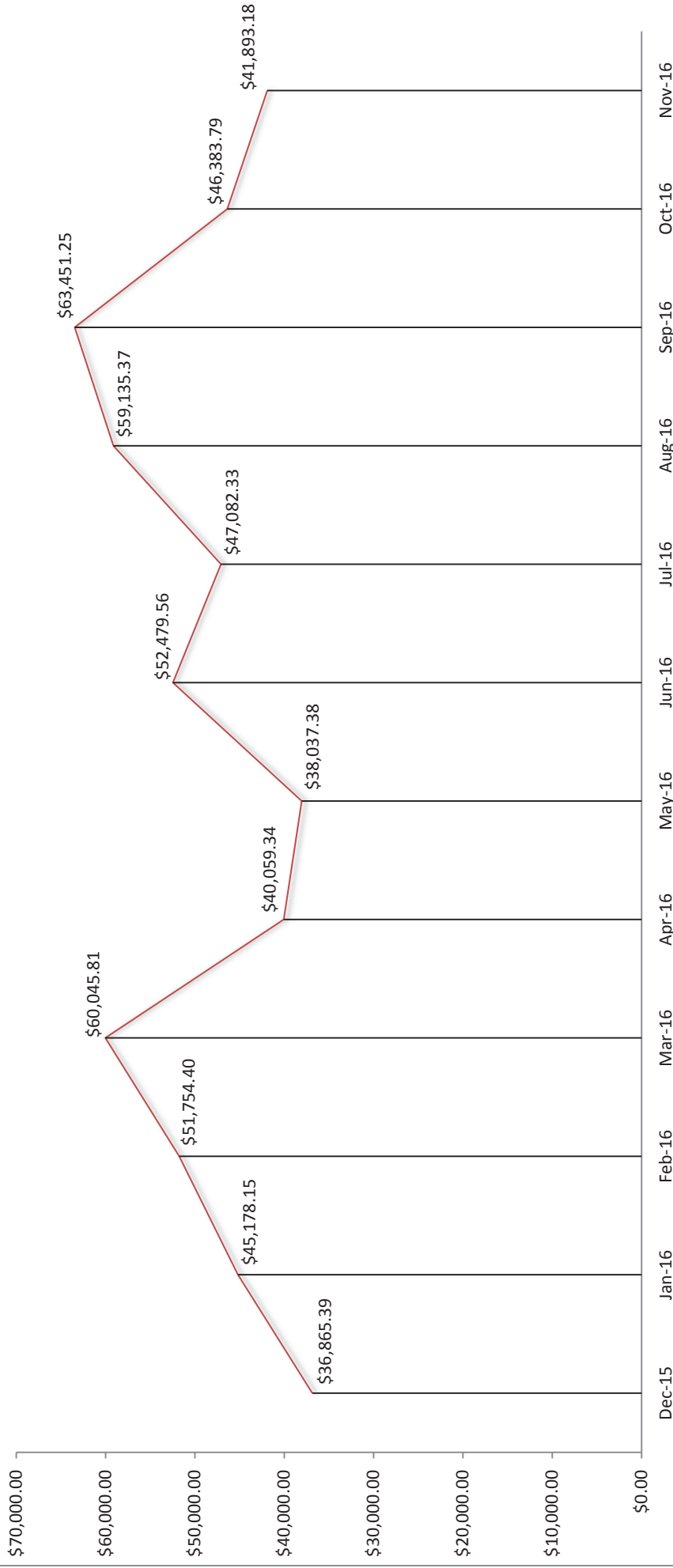
Actual	Service Requests		Drainage Requests		Backup Requests	
	Requests	Customers	1-3%	Requests	< 9 Months	%
2014	9,611	240,280	96.00%	16,644	15,252	91.64%
2015	14,326	244,694	94.15%	16,052	14,990	93.38%
2016	14,123	254,825	94.46%	17,384	17,132	98.55%
Average	12,687	246,600	94.87%	16,693	15,791	94.52%
Weight	33%			33%		
Exceptional	< 98%		107%	< 98%		107%
Commendable	< 96%		104%	< 96%		104%
Fully	= 92%		100%	= 92%		100%
Minimal	> 88%		96%	> 88%		96%
Fails	> 85%		92%	> 85%		92%

2014	2015	2016	FY 2017
91.90%	91.57%	95.52%	
Fully Achieves	Fully Achieves	Commendable Achieves	
Weighted Average Performance Goals			
Exceptional Achieves	> 96.0%	> 97.3%	
Commendable Achieves	93.7% to 95.9%	95.3% to 97.2%	
Fully Achieves	90.0% to 93.6%	91.3% to 95.2%	
Minimal Achieves	81.1% to 89.9%	84.4% to 91.2%	
Fails to Achieve	< 81.0%	< 84.3%	

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P-CARD TOTAL SPEND

DATE RANGE: DECEMBER 31, 2015 TO NOVEMBER 30, 2016



P-cards issued= 112

- Total violation = 17
- Sales Tax = 5
 - Split charges = 0
 - Lack of Receipts = 0
 - Personal expense = 0
 - Late receipt = 9
 - Unauthorized purchase = 0
 - Prepay = 0
 - Substitute Receipts = 1
 - Travel Expenditures = 1
 - Lack of Employee Signature = 0
 - Lack of Supervisor Signature = 1

P-card By Division

- Executive Office= 5
 - Legal=2
 - Human Resources=4
 - Finance=6
- Engineering Division
- Regulatory & GIS = 2
 - Development = 3
 - Design & Construction = 1

Operations

- Administrations = 1
- Collections Systems = 17
- Drainage & Flood Protection = 11
- Treatment Facilities (Maintenance) = 10
- Collections System (Sanitary) = 3
- Support Services = 15
- Treatment Facilities = 19
- Performance = 4

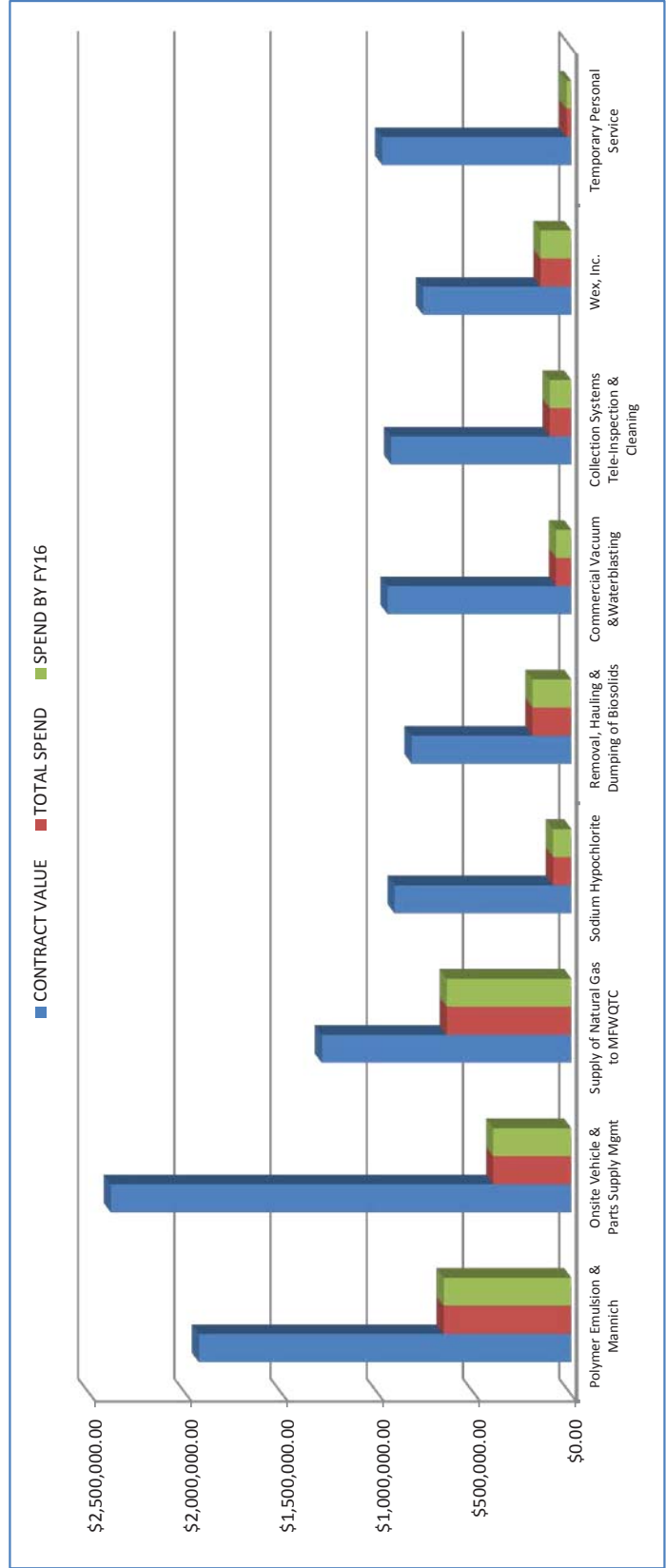
Information Technology Division

- Information Technology= 9

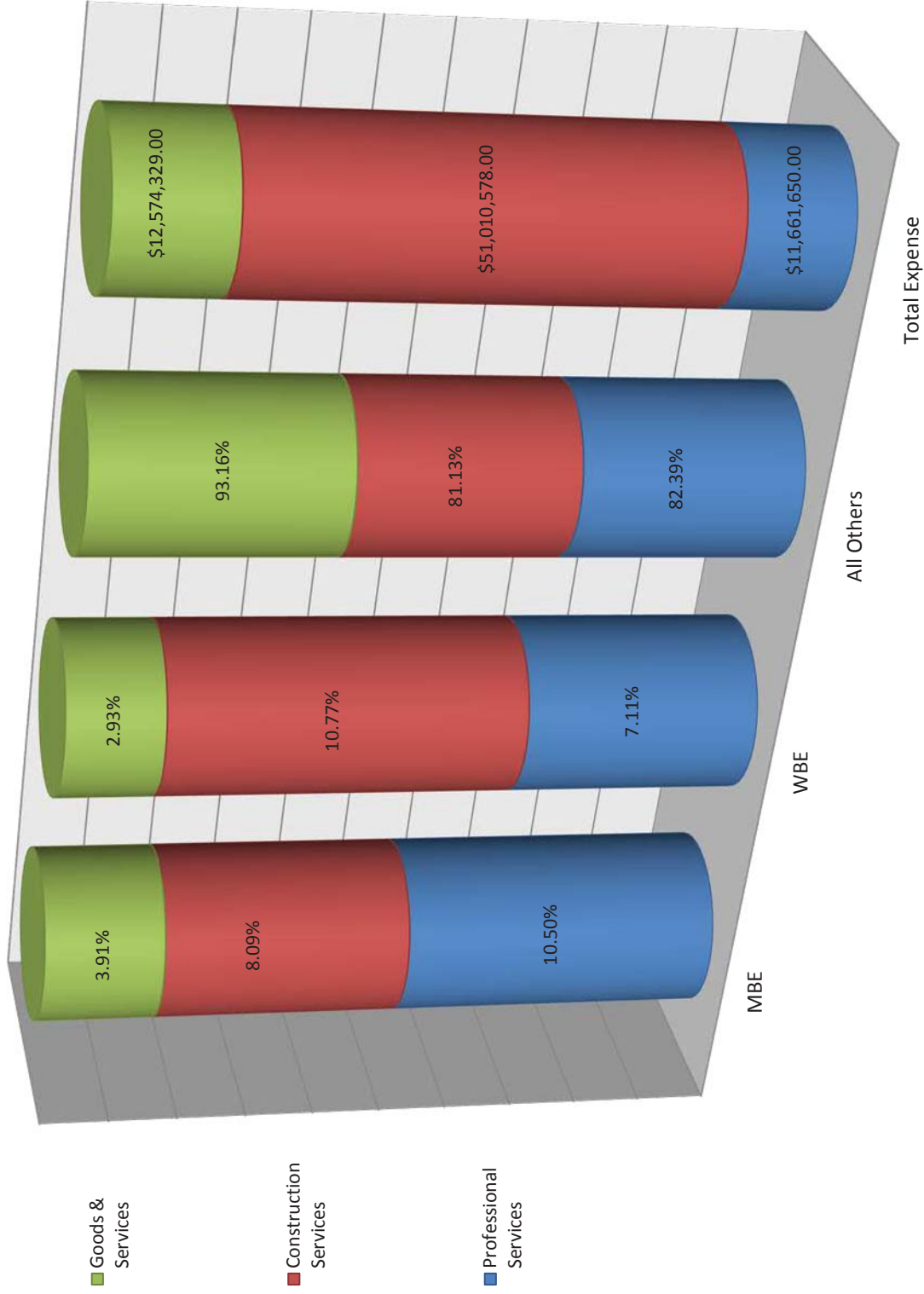
REPORT CREATED BY: LeQuita Moore 12.15.16

PURCHASING TOP 10 GOODS & SERVICES CONTRACTS
TWELVE MONTH TOTAL SPEND BY PURCHASE ORDER
REVIEW PERIOD: CONTRACT EFFECTIVE DATE THROUGH 11/30/2016

TOTAL SPEND BY CONTRACT EFFECTIVE AND EXPIRATION DATE										
CONTRACT DATE RANGE	7/1/2016-6/30/2017	7/1/2016-6/30/2017	1/1/2016 - 12/31/2021	10/5/2016 - 10/4/2017	7/1/2016 - 6/30/2017	7/1/2016 - 6/30/2017	1/1/2015 - 12/31/2016	9/1/2016 - 8/31/2017	8/1/2015 - 7/31/2017	06/23/2015- 06/30/2017
PURCHASE ORDER VALUE	\$ 1,935,999.98	\$ 2,392,600.00	\$ 1,296,583.00	\$ 918,765.90	\$ 830,000.00	\$ 955,333.00	\$ 937,500.00	\$ 770,628.00	\$ 565,000.00	\$ 1,078,000.00
Contract Title / Company Name	*Polymer Emulsion /Marnitch (Polydyne, Inc.)	Onsite Vehicle & Parts Supply Mgmt (NAPA Genuine Auto Parts)	Supply of Natural Gas to MFWQTC (Constellation New Energy)	Sodium Hypochlorite (Chemical Resources, Inc.)	Removal, Hauling & Dumping of Biosolids (C & J Waste Mgmt, Inc.)	Commercial Vacuum & Waterblasting (C & J Waste Mgmt, Inc.)	Collection Systems Tele-Inspection & Cleaning (Robinson Pipe Cleaning)	Fleet Fuel Credit Card Services (Wex, Inc.)	Temporary Personal Services (Crown Services, Inc.)	IT Consulting Services (Teksystems, Inc.)
TOTAL SPEND BY CONTRACT EFFECTIVE AND EXPIRATION DATE	\$ 663,423.92	\$ 405,621.50	\$ 647,792.26	\$ 94,260.24	\$ 201,109.80	\$ 79,232.05	\$ 111,599.29	\$ 159,719.84	\$ 24,830.79	\$ 870,089.10
% SPEND	34.3%	17.0%	50.0%	10.3%	24.2%	8.3%	11.9%	20.7%	4.4%	80.7%
TOTAL SPEND BY FISCAL YEAR 2016										
EFFECTIVE JULY 1, 2015	\$ 663,423.92	\$ 405,621.50	\$ 647,792.26	\$ 94,260.24	\$ 201,109.80	\$ 79,232.05	\$ 111,599.29	\$ 159,719.84	\$ 24,830.79	\$ 870,089.10



MBE/ WBE Expenditure Report YTD July 1, 2016 - November 30, 2016



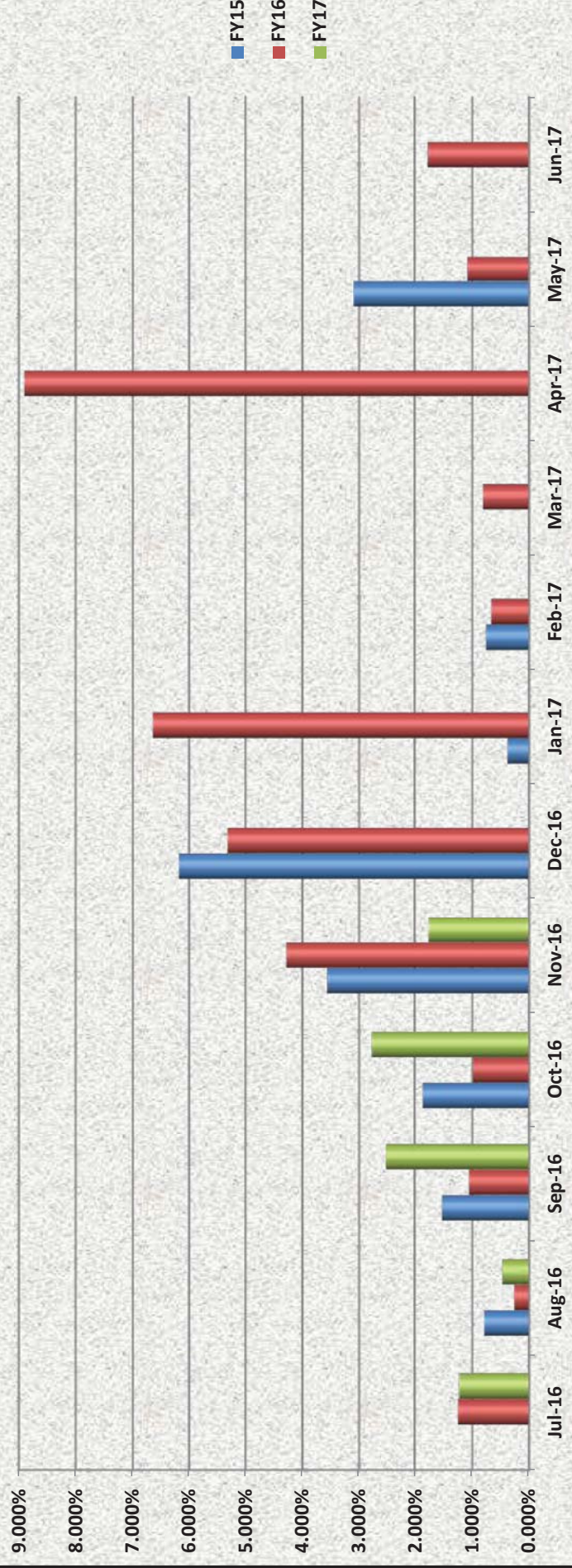
Goals for Construction & Professional Services **MBE 15% - WBE 6%**
Goals for Goods & Services (Purchasing) **MBE 5% - WBE 3%**

FY15				
MONTH	TOTAL ORIGINAL AMOUNT	TOTAL CHANGE ORDER AMOUNT	VARIANCE	
Jul-14	\$ -	\$ -	0.000%	
Aug-14	\$ 21,879,391.91	\$ 173,051.97	0.791%	
Sep-14	\$ 5,944,965.00	\$ 90,201.18	1.517%	
Oct-14	\$ 8,447,257.96	\$ 156,897.30	1.857%	
Nov-14	\$ 576,704.00	\$ 20,565.00	3.566%	
Dec-14	\$ 1,886,530.51	\$ 116,550.25	6.178%	
Jan-15	\$ 8,291,197.84	\$ 31,601.06	0.381%	
Feb-15	\$ 19,345,124.19	\$ 146,495.95	0.757%	
Mar-15	\$ -	\$ -	0.000%	
Apr-15	\$ -	\$ -	0.000%	
May-15	\$ 10,813,550.00	\$ 334,628.00	3.095%	
Jun-15	\$ 38,532,000.00	\$ 6,217.88	0.016%	
TOTAL	\$ 115,716,721.41	\$ 1,076,208.59	0.930%	

FY16				
MONTH	TOTAL ORIGINAL AMOUNT	TOTAL CHANGE ORDER AMOUNT	VARIANCE	
Jul-15	\$ 99,092,486.14	\$ 1,229,573.70	1.241%	
Aug-15	\$ 38,538,217.88	\$ 101,142.17	0.262%	
Sep-15	\$ 127,426,508.52	\$ 1,345,304.87	1.056%	
Oct-15	\$ 60,444,554.35	\$ 595,535.39	0.985%	
Nov-15	\$ 7,972,084.50	\$ 341,579.79	4.285%	
Dec-15	\$ 14,667,622.49	\$ 780,243.77	5.319%	
Jan-16	\$ 40,703,145.00	\$ 2,704,437.62	6.644%	
Feb-16	\$ 44,036,056.00	\$ 294,389.39	0.669%	
Mar-16	\$ 48,065,656.29	\$ 389,599.01	0.811%	
Apr-16	\$ 5,508,508.29	\$ 4,896,288.88	8.901%	
May-16	\$ 52,858,597.00	\$ 574,563.38	1.087%	
Jun-16	\$ 41,164,087.00	\$ 729,328.00	1.772%	
TOTAL	\$ 580,477,523.46	\$ 13,981,985.97	2.409%	

FY17				
MONTH	TOTAL ORIGINAL AMOUNT	TOTAL CHANGE ORDER AMOUNT	VARIANCE	
Jul-16	\$ 42,233,687.74	\$ 516,165.36	1.222%	
Aug-16	\$ 7,353,070.00	\$ 34,718.35	0.472%	
Sep-16	\$ 66,294,656.29	\$ 1,657,535.00	2.500%	
Oct-16	\$ 18,256,061.00	\$ 506,907.97	2.777%	
Nov-16	\$ 91,399,252.90	\$ 1,609,674.12	1.761%	
Dec-16				
Jan-17				
Feb-17				
Mar-17				
Apr-17				
May-17				
Jun-17				
TOTAL	\$ 225,536,727.93	\$ 4,325,000.80	1.918%	

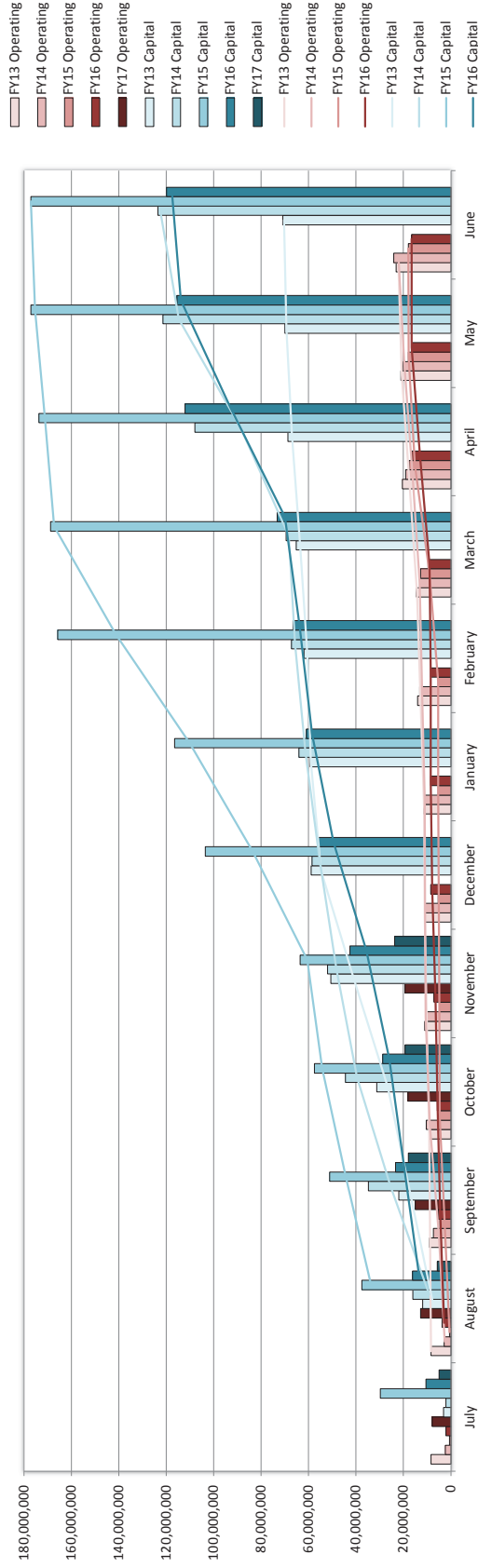
Construction Change Order Variances



BOARD MEETING ACTIONS 11-28-16			
<u>DESCRIPTION</u>	<u>DEPARTMENT</u>	<u>ACCOUNT</u>	<u>CAPITAL</u>
Assoc of Community Ministries / Customer Assistance Program	5110311 - Executive Offices	54250 - Contributions	
Pace Contracting / CMF Vactor Pit & Sorting Facility Project	F13041 - Eng Design / Construction	56216 - Construction	\$100,000
QK4 / Design Assistance	Various Projects	52140 - Professional Services	\$2,355,112
Heritage Engineering / Design Assistance	Various Projects	52140 - Professional Services	\$200,000
HDR / Design Assistance	Various Projects	52140 - Professional Services	\$200,000
Pace Contracting / FY17 Floodwall Closure Upgrades	F16020 - Engineering	56216 - Construction	\$306,900
Air Products / Liquid Oxygen	7313152 - Second Treatment	53230 - Liquid Oxygen	
E-Z Construction / Yorktown Pond Bank Repair	C17080 - Engineering	56216 - Construction	\$740,000
Bandy Carroll Hellige / Organizational Rebranding Implementation Assist.	5110311 - Executive Offices	52195 - Other Contract Services	\$100,350
AT&T Georgia / Phone Lines & PRI Circuits	8330631 - Information Systems	53340 - Telephone	
Robinson Pipe Cleaning / FY17 tele-Inspection & Cleaning	F14004 - Operations	52140 - Professional Services	\$1,000,000
		NOVEMBER TOTALS	<u>\$1,276,073</u>
			<u>\$4,362,362</u>
		Y-T-D TOTALS	<u>\$19,266,502</u>
			<u>\$23,713,557</u>

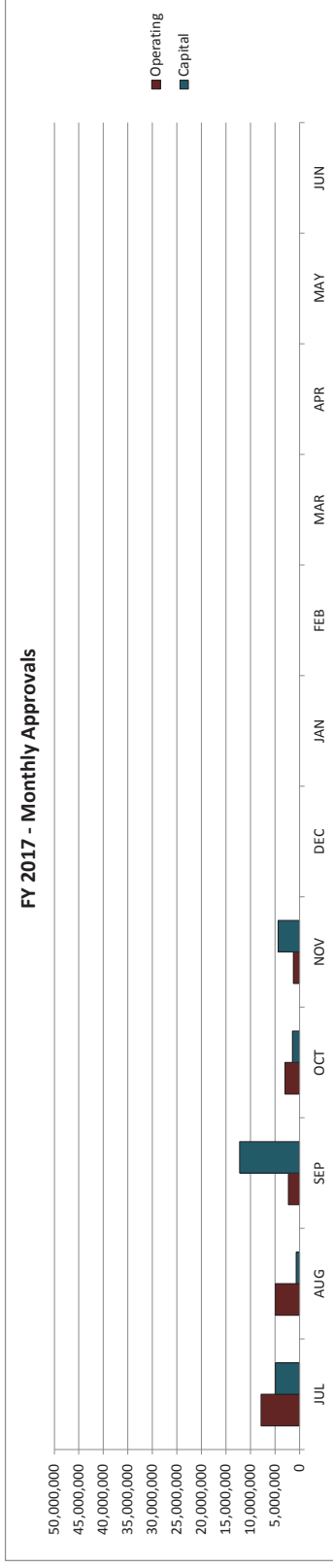
Prepared by: Patrick Meador

Fiscal Years Comparison - YTD Approvals
FY 2013 through FY 2017

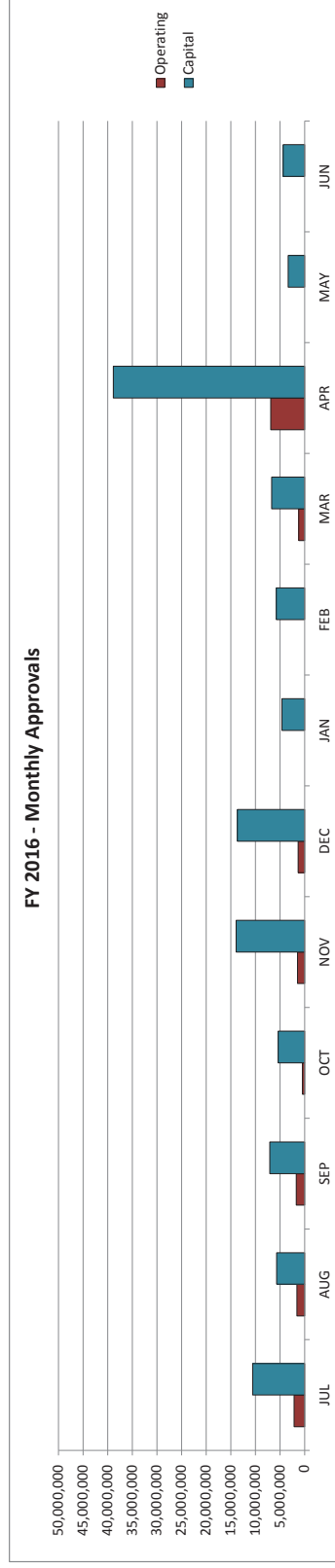


2017	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
Operating	7,831,807	12,753,572	15,022,531	17,990,429	19,266,502	0	0	0	0	0	0	0	19,266,502	45%
Capital	4,939,806	5,666,257	17,864,223	19,351,195	23,713,557	0	0	0	0	0	0	0	23,713,557	55%
Total	12,771,613	18,419,829	32,886,754	37,341,624	42,980,059	0	0	0	0	0	0	0	42,980,059	100%

Prepared by: Patrick Meador

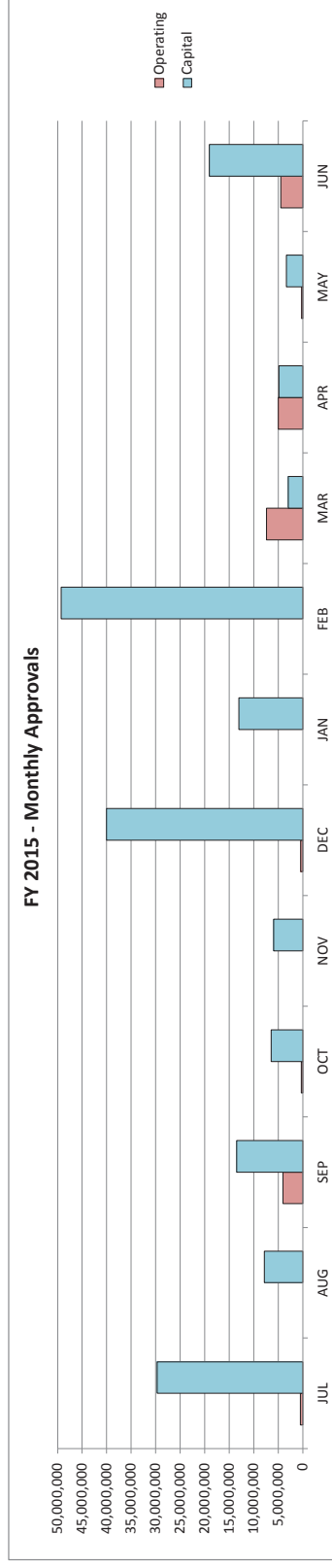


2017	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
Operating	7,831,807	4,921,765	2,268,959	2,967,898	1,276,073	0	0	0	0	0	0	0	19,266,502	45%
Capital	4,939,806	726,451	12,197,966	1,486,972	4,362,362	0	0	0	0	0	0	0	23,713,557	55%
Total	12,771,613	5,648,216	14,466,925	4,454,870	5,638,435	0	0	0	0	0	0	0	42,980,059	100%

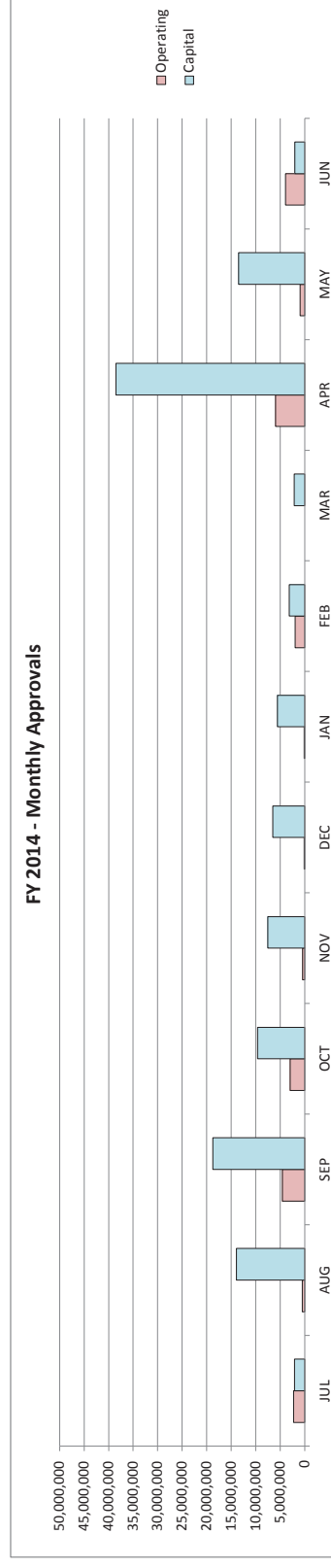


2016	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
Operating	2,106,697	1,564,811	1,670,350	400,000	1,423,300	1,296,583	0	0	1,172,755	6,861,107	0	0	16,495,603	12%
Capital	10,546,131	5,648,074	7,102,873	5,391,209	13,917,934	13,671,522	4,630,083	5,736,777	6,672,460	38,850,000	3,336,465	4,367,515	119,871,042	88%
Total	12,652,828	7,212,885	8,773,223	5,791,209	15,341,234	14,968,105	4,630,083	5,736,777	7,845,215	45,711,107	3,336,465	4,367,515	136,366,646	100%

Prepared by: Patrick Meador



2015	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
Operating	524,000	0	4,036,001	334,790	0	421,801	0	0	7,400,112	4,985,695	250,000	4,489,873	22,442,272	10%
Capital	29,727,349	7,848,025	13,500,248	6,486,602	5,971,443	40,010,700	13,026,599	49,272,656	2,987,256	4,904,876	3,354,890	19,043,463	196,134,107	90%
Total	30,251,349	7,848,025	17,536,249	6,821,392	5,971,443	40,432,501	13,026,599	49,272,656	10,387,368	9,890,571	3,604,890	23,533,336	218,576,379	100%



2014	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
Operating	2,302,983	550,000	4,551,800	2,980,411	432,070	165,481	138,900	2,012,553	0	5,962,221	990,473	3,937,929	24,024,821	16%
Capital	2,113,288	13,943,361	18,736,868	9,631,679	7,536,570	6,546,055	5,581,419	3,163,120	2,201,305	38,532,000	13,480,504	2,076,865	123,543,034	84%
Total	4,416,271	14,493,361	23,288,668	12,612,090	7,968,640	6,711,536	5,720,319	5,175,673	2,201,305	44,494,221	14,470,977	6,014,794	147,567,855	100%

Prepared by: Patrick Meador

All Open Construction Orders
Data as of November 30, 2016

Budget ID	Project Name	Date Created	Total Budget	P/O#	Vendor	PO Amount	PO Amount Remaining	Completion Scheduled	Payment % Complete	Status	Physical % Complete per PM	Notes
A12023	Muddy Fork Force Main	6/23/2016	\$345,628	4500072277	Pace Contracting	\$317,000	\$138,555	1/19/2017	56%	Under Construction	21%	
A13006	Bancroft Pump Station & Storage Basin	12/12/2014	\$6,347,594	4500065208	Pace Contracting	\$4,732,033	\$50,000	10/1/2016	99%	Under Construction	99%	Substantially Complete
A13008	Blue Lick SS & Water Main Relocation	2/26/2015	\$4,396,332	4500066125	Barham Contracting	\$5,398,363	\$823,945	5/23/2016	85%	Under Construction	83%	LWC portion has delayed
A13179	Muddy Fork Interceptor SSO Basin	3/23/2015	\$10,205,032	4500066412	Pace Contracting	\$5,622,960	\$594,713	10/30/2016	91%	Under Construction	92%	Proceeding on Schedule
A14131	McNeely Lake WQTC Elimination	8/14/2015	\$557,621	4500068338	Dan Christiani Excavating Co	\$17,046	\$594,883	11/29/2015	96%	Under Construction	96%	
A14136	Caven Avenue Pump Station Elimination	5/28/2015	\$4,053,592	4500067390	Flynn Brothers Contracting	\$2,637,001	\$29,218	5/31/2016	99%	Under Construction	99%	
A17073	Replacement Pumps for Phoenix Hill PS	11/29/2016	\$140,000	4500074177	Advanced Paving & Construction	\$62,800	\$62,800	1/3/2017	0%	Awaiting Start	0%	
C11104	4930 Garden Green Way	8/3/2016	\$131,000	4500072759	Allterrain Paving & Construction	\$141,523	\$36,514	12/1/2016	74%	Under Construction	95%	
C11203	Onadaga Court DIP	7/22/2016	\$32,000	4500072602	B&R Contracting LLC	\$17,500	\$17,500	8/12/2016	0%	Awaiting Start	0%	
C11203	322 Mockingbird Valley Road	11/8/2016	\$32,000	4500073978	K Weihe Construction	\$9,450	\$9,450	12/16/2016	0%	Awaiting Start	0%	
C11239	8221 Shepherdville Road DIP	5/18/2016	\$52,000	4500071796	Triumph Landscape Construction	\$104,400	\$11,134	8/18/2016	89%	Construction Complete	100%	
C11248	Brainerd Creek DIP	10/20/2015	\$86,000	4500069210	Barham Construction	\$76,575	\$3,829	10/30/2016	95%	Under Construction	95%	
C12124	513 Greens Avenue DIP	6/29/2016	\$58,800	4500072354	DD Midori Construction	\$36,648	\$7,067	9/30/2016	81%	Under Construction	81%	
C16111	Country Lane Pipe Replacement	9/27/2016	\$35,000	4500073458	Triumph Landscape Construction	\$33,381	\$1,147	12/31/2016	97%	Under Construction	97%	
C16114	7719 Greenlawn Road DIP	11/18/2016	\$45,000	4500074094	B&R Contracting	\$19,000	\$19,000	1/13/2017	0%	Awaiting Start	0%	
C16143	308 Blankenbaker Ln Pipe Replacement	10/21/2016	\$45,000	4500073765	K Weihe Construction	\$9,500	\$9,500	10/24/2016	0%	Awaiting Start	0%	
C16143	Dove Chase Circle Bank Repair	11/8/2016	\$50,000	4500073975	K Weihe Construction	\$9,800	\$9,800	12/16/2016	0%	Awaiting Start	0%	
C16146	705 Fountain Ave DIP	7/19/2016	\$79,000	4500072569	B&R Contracting	\$29,650	\$29,650	10/19/2016	0%	Awaiting Start	0%	
C16155	821 Gleam Drive DIP	8/18/2016	\$45,000	4500072942	Triumph Landscape Construction	\$64,940	\$1,385	11/16/2016	98%	Construction Complete	100%	
C16156	10200 Mitchell Hill Rd Bank Repair	10/19/2016	\$100,000	4500073725	EZ Construction Co Inc	\$94,500	\$94,500	1/15/2017	0%	Awaiting Start	0%	
C16161	Nancy Avenue DIP	9/9/2016	\$20,000	4500073238	K Weihe Construction	\$9,750	\$9,750	9/23/2016	0%	Awaiting Start	0%	
C16164	10409 Fox Avenue DIP	9/9/2016	\$100,000	4500073235	K Weihe Construction	\$9,400	\$9,400	9/23/2016	0%	Construction Complete	100%	
C16169	Ethel Way Sidewalk & DIP	9/27/2016	\$75,000	4500073459	Triumph Landscape Construction	\$212,539	\$212,539	1/31/2017	0%	Awaiting Start	0%	
C16173	355 Farmington Ave DIP	11/2/2016	\$45,000	4500073903	DD Midori Construction	\$45,000	\$19,587	2/2/2017	56%	Under Construction	56%	
C16186	Tamworth Court Bank Repair	6/14/2016	\$75,000	4500072148	K Weihe Construction Inc	\$9,450	\$9,450	7/11/2016	0%	Construction Complete	100%	
C16194	303 Coarbridge Place DIP	11/1/2016	\$100,000	4500071715	DD Midori Construction	\$80,460	\$2,190	8/31/2016	97%	Under Construction	97%	
C16203	Lyndon Lakes Place DIP	5/18/2016	\$50,000	4500073979	K Weihe Construction	\$9,250	\$9,250	12/30/2016	0%	Awaiting Start	0%	
C16203	2901 Glenafon Lane DIP	8/29/2016	\$50,000	4500073076	Allterrain Paving & Construction	\$28,140	\$4,650	11/27/2016	83%	Under Construction	85%	
C16212	9310 Michael Edwards Drive DIP	9/9/2016	\$50,000	4500073239	Triumph Landscape Construction	\$24,087	\$24,087	12/2/2016	0%	Construction Complete	100%	
C16212	6405 Chism Rd DIP	10/18/2016	\$50,000	4500073708	B&R Contracting	\$19,500	\$19,500	10/28/2016	0%	Awaiting Start	0%	
C16213	14412 Forest Glen Court DIP	8/30/2016	\$88,000	4500073072	DD Midori Construction	\$17,640	\$17,640	9/23/2016	0%	Awaiting Start	0%	
C16227	9716 Titan Drive DIP	8/29/2016	\$50,000	4500073085	Allterrain Paving & Construction	\$33,850	\$33,850	11/27/2016	0%	Awaiting Start	0%	
C16301	6412 Duroc Avenue DIP	2/16/2016	\$100,000	4500070567	Allterrain Paving & Construction	\$69,740	\$37,612	3/31/2016	46%	Under Construction	46%	
C16377	11314 Deham Drive DIP	10/19/2016	\$40,000	4500073723	DD Midori Construction	\$38,000	\$19,000	1/15/2017	50%	Under Construction	50%	
C16382	Brownhurst Court DIP	10/19/2016	\$45,000	4500073730	Triumph Landscape Construction	\$29,700	\$1,485	1/15/2017	95%	Under Construction	95%	
C17051	7107 John Adams Way DIP	10/19/2016	\$80,000	4500073724	Allterrain Paving & Construction	\$70,738	\$70,738	1/15/2017	0%	Awaiting Start	0%	
C17069	1731 Shelby Road DIP	10/20/2016	\$30,000	4500073733	Barham Construction & Rental	\$49,000	\$49,000	1/15/2017	0%	Awaiting Start	0%	
C17077	Francell Court Chapel	11/4/2016	\$1,338,355	4500073945	Allterrain Paving & Construction	\$37,814	\$1,365	2/2/2017	96%	Under Construction	96%	
C94103	MOA Cooper Chapel/Charleswood Interceptor	4/23/2012	\$1,338,355	4500055134	Louisville Metro Public Works	\$1,300,000	\$232,574	12/31/2015	82%	Substantially Complete	100%	
D15017	MFWQTC Centrifuge Electrical Controls Replace	12/9/2015	\$1,371,717	4500069809	Link Electric Company	\$904,628	\$274,872	2/15/2017	70%	Under Construction	70%	
D15127	MFWQTC Process Water Line Replacement	1/28/2016	\$400,000	4500070330	Thieneman Construction Co	\$270,901	\$23,190	10/29/2016	91%	Under Construction	94%	
D15132	CCWQTC Influent PS Gate Repair& UV Gate Replace	2/4/2016	\$450,000	4500070416	EZ Construction Co Inc	\$482,135	\$453,618	11/3/2016	6%	Under Construction	22%	
D16311	MFWQTC Access Platforms	8/5/2016	\$290,000	4500072798	Pace Contracting LLC	\$237,600	\$188,303	1/2/2017	21%	Under Construction	51%	
E93352	Middletown Sanitary Rectapture 2C &Chen Run1	10/14/2015	\$4,106,193	4500069132	MAC Construction	\$2,679,849	\$101,856	5/6/2016	96%	Under Construction	96%	Substantially Complete
F09510	MFWQTC Oxygen Generation & Supply Site	1/21/2016	\$8,065,043	4500070249	Thieneman Construction Co	\$4,872,967	\$2,613,297	11/11/2017	46%	Under Construction	26%	
F12095	4th St FPS Improvements	6/2/2016	\$5,788,002	4500071993	Pace Contracting	\$2,922,000	\$2,886,900	12/3/2016	1%	Under Construction	15%	
F13013	MFWQTC Drying System Condenser Upgrades	5/2/2016	\$342,116	4500071607	Pace Contracting	\$310,000	\$104,966	9/26/2016	66%	Under Construction	73%	
F13016	MFWQTC High Water Improvements	11/11/2015	\$7,150,382	4500069493	CE Power Solutions	\$5,868,214	\$3,901,870	3/23/2017	34%	Under Construction	32%	
F13023	MFWQTC Headworks Modifications	8/11/2015	\$21,828,930	4500068286	Thieneman Construction Co	\$11,225,159	\$3,144,715	8/26/2017	72%	Under Construction	77%	
F14024	Levee Trail Repair	8/31/2016	\$688,421	4500073090	MAC Construction & Excavating	\$264,935	\$264,935	12/1/2016	0%	Construction Complete	100%	
F14155	DRG WQTC Sec Clarifiers 1-3 Mechanism Replace	8/10/2015	\$2,893,430	4500068281	Dugan & Meyers Construction	\$1,689,993	\$582,686	12/22/2016	66%	Under Construction	66%	
F14162	Beargrass Creek FPS Elec Imp & Vortex Supports	1/20/2016	\$10,061,281	4500070228	Glenwood Electric	\$6,284,516	\$2,385,233	1/31/2017	62%	Under Construction	62%	
F14163	Floodgate 118 Gate & Actuator Replacement	1/20/2015	\$1,015,776	4500065615	Fenton Rigging & Contracting	\$863,500	\$86,350	7/13/2016	90%	Under Construction	90%	
F14179	MFWQTC Wet Cake Pump Project	8/10/2015	\$1,075,486	4500068282	MAC Construction	\$745,340	\$6,974	11/2/2016	99%	Under Construction	99%	
F14183	MFWQTC Generator Addition - FEPS	9/21/2015	\$3,702,688	4500068857	Pace Contracting	\$2,470,000	\$261,868	9/5/2016	89%	Under Construction	90%	
F16022	Levee Slope Repair Near Floodgate 136	9/8/2016	\$1,912,179	4500073206	Holton Construction	\$94,500	\$94,500	10/15/2016	90%	Construction Complete	100%	
G17110	Apple Valley Section 6 Infrastructure Completion	11/28/2016	\$0	4500074164	B&R Contracting	\$9,500	\$9,500	1/27/2017	0%	Awaiting Start	0%	
H07293	Itown Interceptor & WQTC Decommissioning	3/20/2015	\$6,916,690	4500066378	TSI Paving	\$4,215,644	\$8,730	10/22/2016	99%	Under Construction	97%	
H09123	Clifton Heights CSO Basin	6/2/2016	\$50,650,689	4500071995	MAC Construction	\$23,620,538	\$20,605,888	8/30/2018	13%	Under Construction	13%	
H09124	Bells Ln Wet Weather Treatment Facility	6/9/2014	\$63,973,260	4500062930	Hall Contracting of KY	\$41,659,461	\$9,453,863	6/29/2017	77%	Under Construction	75%	
H09125	Portland CSO Basin Interceptor	10/14/2016	\$36,794,284	4500073663	Smith Contractors Inc	\$4,548,930	\$4,548,930	4/30/2017	0%	Under Construction	2%	
H09132	Design-Build Southwestern Pkwy CSO Basin	7/22/2016	\$63,546,583	4500072608	Ulliman Schutte Construction	\$2,955,720	\$1,499,110	12/31/2018	49%	Design Phase	60%	
H09137	CSO 190 Green Infrastructure Phase 2	11/8/2016	\$6,744,647	4500073969	EZ Construction Co Inc	\$3,492,118	\$3,492,118	8/15/2017	0%	Awaiting Start	0%	
H09137	CSO 190 Green Infrastructure	11/17/2015	\$6,744,647	4500069562	Flynn Brothers Company	\$290,156	\$1,742,087	8/30/2016	83%	Under Construction	92%	
H09140	Nightingale PS & CSO Basin	2/17/2015	\$55,820,190	4500066012	Judy Construction Company	\$33,314,856	\$13,626,478	10/24/2016	59%	Under Construction	60%	
H09142	Logan CSO Basin	3/31/2015	\$125,070,722	4500066515	Walsh Construction	\$49,538,628	\$16,688,707	10/18/2017	66%	Under Construction	59%	

**All Open Construction Orders
Data as of November 30, 2016**

Budget ID	Project Name	Date Created	Total Budget	P/O#	Vendor	PO Amount	PO Amount Remaining	Completion Scheduled	Payment % Complete	Status	Construction	
											Physical % Complete	per PM
H09142	Logan CSO Interceptor	9/24/2014	\$125,070,722	4500064240	Garney Companies	\$31,514,352	\$2,557,068	5/9/2017	92%	Under Construction	95%	
H09154	Butchertown Paver Maintenance	1/29/2016	\$1,255,000	4500070337	Pipe Eyes LLC	\$15,132	\$7,821	12/31/2016	48%	Under Construction	48%	
H09167	Fairmount PS & SSO Storage Basin	6/24/2014	\$14,075,721	4500063121	Judy Construction Company	\$11,517,238	\$153,455	3/31/2016	99%	Under Construction	100%	
H09209	FY16 Sewer Rehab	12/14/2015	\$2,896,419	4500069865	Miller Pipeline	\$1,485,404	\$1,195	9/30/2016	100%	Construction Complete	100%	
H09209	FY16 Sewer Rehab	12/10/2015	\$2,896,419	4500069820	Robinson Pipe Cleaning	\$1,020,259	\$269,853	8/31/2016	74%	Construction Complete	100%	
H09210	FY17 Sewer Rehab	9/12/2016	\$2,000,000	4500073260	Miller Pipeline	\$1,021,716	\$1,021,716	6/30/2017	0%	Awaiting Start	0%	
H09210	FY17 Sewer Rehab	9/9/2016	\$2,000,000	4500073228	Robinson Pipe Cleaning	\$940,197	\$940,197	6/30/2017	0%	Under Construction	5%	
H09220	Camp Taylor Sanitary Sewer Replacement 1A	2/5/2016	\$12,962,362	4500070433	TSI Construction	\$7,753,751	\$3,831,647	9/2/2017	51%	Under Construction	52%	
H10045	Anchor Estates Pump Station 1&2 Elimination	10/12/2015	\$5,632,129	4500069118	MAC Construction	\$3,187,725	\$188,590	10/31/2016	95%	Under Construction	96%	
H11327	Demolition of 734 South 23rd Street	10/24/2016	\$8,995,000	4500073774	Basham Construction & Rental	\$5,500	\$5,500	12/31/2016	0%	Under Construction	50%	
H11327	Structure Demolition of 814 Humler Street	11/15/2016	\$8,995,000	4500074050	Basham Construction	\$7,200	\$7,200	1/30/2017	0%	Awaiting Start	0%	
H11327	Boarding/Mowing/Debris Pickup Maple St	3/23/2015	\$8,995,000	4500066390	KLB Property Maintenance	\$19,500	\$9,560	12/31/2016	51%	Under Construction	51%	
H11425	Grand Avenue Pump Station	11/20/2013	\$15,192,034	4500060514	Pace Contracting	\$11,933,878	\$407,680	12/16/2016	97%	Under Construction	99%	
H12158	RTC SOR1 In-Line Storage Facility	8/22/2016	\$2,726,259	4500072976	Thieneman Construction	\$2,280,000	\$1,980,850	10/1/2017	13%	Under Construction	15%	
H12196	Camp Taylor SSR 2A	5/26/2016	\$14,485,274	4500071928	MAC Construction	\$7,791,000	\$6,988,016	8/28/2017	10%	Under Construction	10%	
H13142	Camp Taylor SSR Areas 2B & 4	7/29/2016	\$4,665,851	4500072679	Basham Construction	\$7,470,000	\$6,698,785	8/28/2017	10%	Under Construction	10%	
H14125	Hite Creek Interim Hydraulic Improvements	2/24/2015	\$13,013,822	4500066086	Smith Contractors	\$9,074,751	\$198,179	10/31/2016	98%	Under Construction	98%	
H16310	Floyd @ Boxley Sewer Line Replacement	3/29/2016	\$235,000	4500071161	Allterrain Paving & Construction	\$238,432	\$25,878	7/23/2016	89%	Under Construction	90%	
H16337	Transylvania Beach Flood Mitigation	11/8/2016	\$2,065,000	4500073971	Basham Construction	\$134,172	\$134,172	3/8/2017	0%	Awaiting Start	0%	
H16356	South Pope Lick PS Renovations Phase 1	10/25/2016	\$250,000	4500073800	Flynn Brothers Contracting	\$247,142	\$247,142	6/30/2017	0%	Awaiting Start	0%	
H16358	Goose Creek Plumbing Modifications	8/15/2016	\$7,150	4500072902	McVey Plumbing Co Inc	\$16,425	\$16,425	11/18/2016	0%	Under Construction	80%	
H16376	CMF Generator & Automatic Transfer Switch	10/7/2016	\$160,000	4500073584	T E M Group	\$118,910	\$118,910	4/8/2017	0%	Awaiting Start	0%	
operating	Quick Buy Flood Mitigation Demolition	1/11/2016	\$286,056	4500070109	Basham Construction	\$286,056	\$85,137	9/30/2016	70%	Under Construction	90%	
Total						\$328,333,424	\$116,159,958					

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