

FINANCIAL REPORT

December 2016



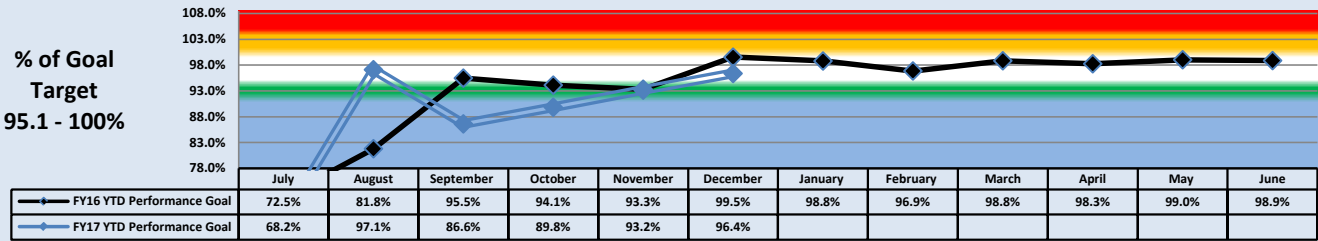
METROPOLITAN SEWER DISTRICT
MONTHLY FINANCIAL REPORT
December 2016

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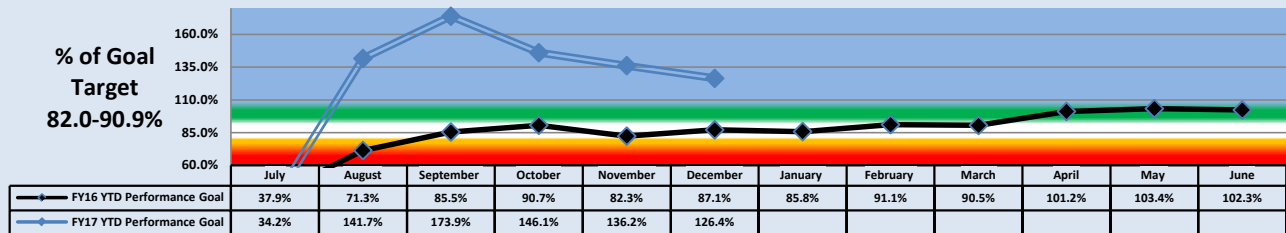
Operational Expense

FY17 \$120,930,511



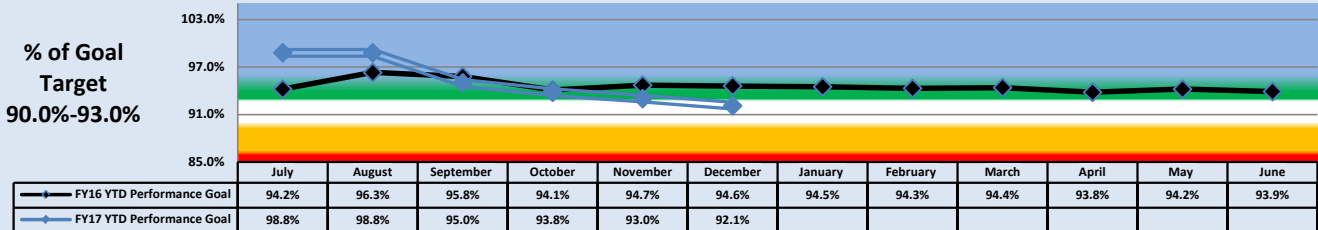
Capital Expense

FY17 \$166,900,000



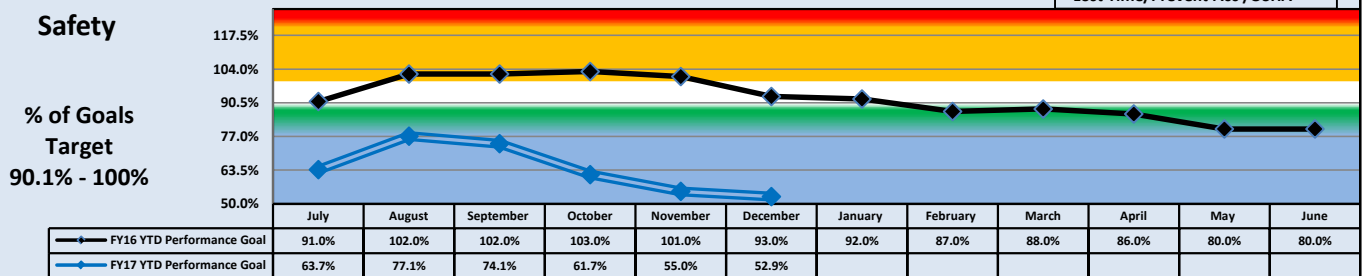
Regulatory

Violation Free Months



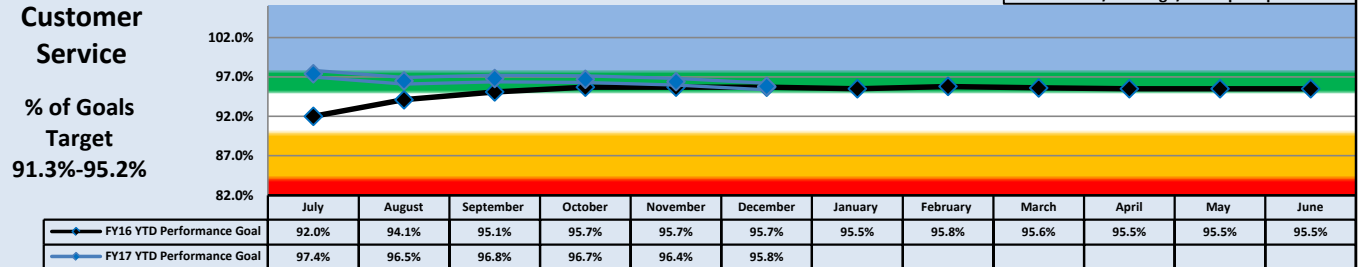
Safety

Lost Time/Prevent Acc /OSHA



Customer Service

Service/Drainage/Backup Requests



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METROPOLITAN SEWER DISTRICT
FINANCIAL OVERVIEW
DECEMBER 31, 2016

REVENUES:

Revenue (thousands)	YTD FY 2017	YTD FY 2016	Variance	% Change	FYTD 2017 Budget	FY 2017 Budget Var	%
Wastewater	99,434	93,957	5,476	5.83%	96,867	2,567	2.65%
Stormwater	29,006	27,200	1,805	6.64%	29,666	(660)	(2.22%)
Other	1,746	2,021	(276)	(13.64%)	2,000	(254)	(12.72%)
Total Operating Revenue	\$ 130,185	\$ 123,178	\$ 7,006	5.69%	\$ 128,532	\$ 1,653	1.29%

Year to date Total Operating Revenue is \$130.1 million compared to \$123.1 million for the same period last year, an increase of \$7 million or 5.6%. Total Operating Revenue is up \$1.6 million or 1.2% to budget.

- Wastewater Service Charges total \$99.4 million year to date. This is an increase of \$5.4 million or 5.8% from last year and is \$2.5 million or 2.6% 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 \$29 million for the year, an increase of \$1.8 million or 6.6% from last year and are \$0.6 million or 2.2% 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 \$1.7 million year to date. This is a decrease of \$0.2 million or 13.6% from last year and is \$0.2 million or 12.2% 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	42,982	44,766	(1,784)	(3.98%)	45,351	(2,368)	(5.22%)
Depreciation	38,354	30,786	7,568	24.58%	37,750	604	1.60%
Total Operating Expenses	\$ 81,336	\$ 75,552	5,784	7.66%	\$ 83,101	\$ (1,764)	(2.12%)

Service & Administrative Costs are \$42.9 million year to date. This is \$1.7 million or 3.9% less than the same period last year and (\$2.3) million or 5.2% less than budget. Service & Administrative savings are being driven by the following items:

- Utility expenses are \$2.5 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 \$2.2 million lower than last year. This trend will not continue.
- Materials and Supplies is \$1.1 million lower than last year. We received \$1,000,000 in insurance proceeds from the Morris Forman flood in December. These proceeds were used to offset Materials & Supplies expense.

Liquid Oxygen expense is \$0.7 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 \$37.7 million year to date. This is an increase of \$7.5 million or 24.5% from a year ago and \$0.6 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 \$81.3 million which is 7.6% or \$5.7 million more than the same period last year and 2.2% or \$1.7 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	48,848	47,626	1,222	2.57%	45,432	3,417	7.52%
Investment Income	6,217	8,391	(2,174)	(25.91%)	8,754	(2,537)	(28.98%)
Interest Expense	(37,177)	(37,343)	166	0.44%	(39,100)	1,923	4.92%
Other Non-operating	2,419	-	2,419	0.00%	-	2,419	
Net Income before Swaps	20,308	18,675	1,633	8.74%	15,086	5,222	34.62%
Change in Fair Value/Swap	24,976	(5,662)	30,638	541.10%	-	24,976	
Total Net Income	\$ 45,283	\$ 13,013	\$ 32,271	248.00%	\$ 15,086	\$ 30,198	200.18%

Year to date Net Operating Income is \$48.8 million compared to \$47.6 million for the same period last year, an increase of 1.2 million or 2.5% and is \$3.4 million or 7.5% more than the year to date budget.

Year to date Investment Income is \$6.2 million compared to \$8.3 million for the same period last year, a decrease of \$2.1 million or 25.9% and is \$2.5 million or 28.9% 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 \$0.1 million or 0.4% less than last year and \$1.9 million or 4.9% less than budget.

Year to date Net Income before Swaps totaled \$20.3 million compared to \$18.6 million for the same period last year, an increase of \$1.6 million or 8.7% and is \$5.2 million or 34.6% higher than budget.

Year to date Net Income/(Loss) including the mark to market change on swaps totaled \$45.2 million. This is \$32.2 million or 248% more than the same period last year and \$30.1 million or 200.1% more than budget. The mark to market change on swaps has steadily improved over the last 5 months as interest rates have increased.

Submitted by: Brad Good
January 17, 2017

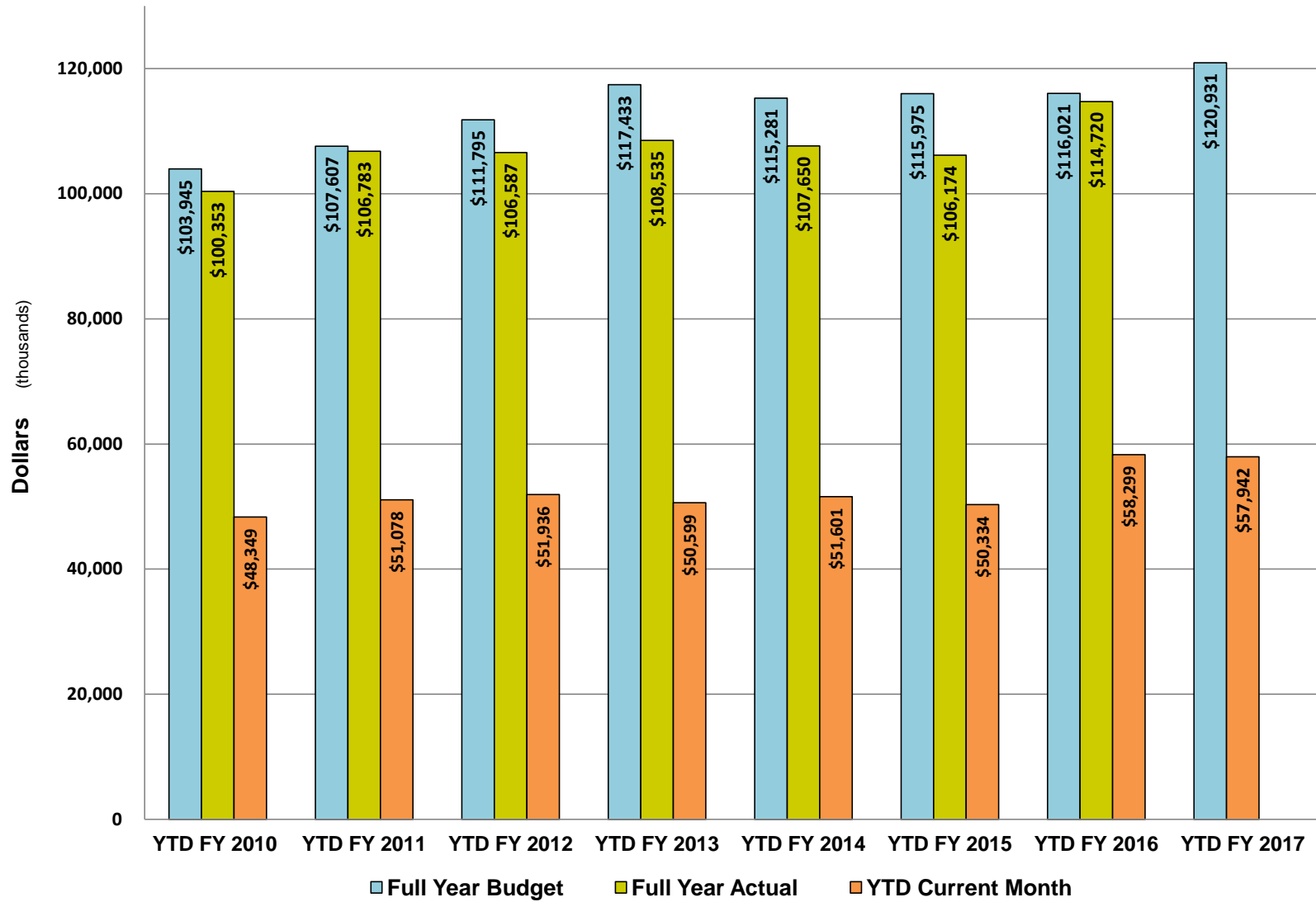
STATEMENT OF CHANGES IN NET POSITION, December 31, 2016

MTD December 2016	MTD December 2015	Variance	Percent		YTD December 2016	YTD December 2015	Variance	Percent
8,448,457.21	8,469,862.77	(21,405.56)	-0.25%	Sewer Charges				
4,034,965.41	3,832,104.74	202,860.67	5.29%	Residential	54,157,190.69	50,979,358.70	3,177,831.99	6.23%
1,743,886.13	1,285,757.71	458,128.42	35.63%	Commercial	31,946,881.94	30,818,594.33	1,128,287.61	3.66%
556,101.31	572,210.39	(16,109.08)	-2.82%	Industrial	11,482,120.80	10,033,341.84	1,448,778.96	14.44%
(303,146.08)	(156,494.28)	(146,651.80)	93.71%	Other	4,368,203.56	5,081,334.04	(713,130.48)	-14.03%
14,480,263.98	14,003,441.33	476,822.65	3.41%	Free Sewer Charges	(2,520,826.81)	(2,955,405.63)	434,578.82	-14.70%
				Total Sewer Charges	99,433,570.18	93,957,223.28	5,476,346.90	5.83%
4,696,213.93	4,569,242.02	126,971.91	2.78%	Drainage Charges	29,005,530.30	27,200,151.34	1,805,378.96	6.64%
19,176,477.91	18,572,683.35	603,794.56	3.25%	Total Service Charges	128,439,100.48	121,157,374.62	7,281,725.86	6.01%
911,142.25	(211,215.67)	1,122,357.92	-531.38%	Other Operating Income	1,745,536.09	2,021,118.96	(275,582.87)	-13.64%
20,087,620.16	18,361,467.68	1,726,152.48	9.4%	Total Operating Revenue	130,184,636.57	123,178,493.58	7,006,142.99	5.7%
				Operating Expenses				
4,224,361.57	4,024,974.70	199,386.87	4.95%	Salaries & Wages	20,359,337.90	20,126,816.66	232,521.24	1.16%
1,249,217.24	1,247,783.53	1,433.71	0.11%	Labor Related Overhead	7,792,375.92	7,621,950.95	170,424.97	2.24%
1,030,096.47	2,205,886.95	(1,175,790.48)	-53.30%	Utilities	6,831,492.74	9,378,289.42	(2,546,796.68)	-27.16%
538,355.47	760,913.29	(222,557.82)	-29.25%	Materials & Supplies	2,864,899.25	4,047,657.76	(1,182,758.51)	-29.22%
2,853,384.45	2,389,558.32	463,826.13	19.41%	Contractual Services	13,672,770.23	12,034,652.70	1,638,117.53	13.61%
754,640.64	403,944.67	350,695.97	86.82%	Chemicals	3,092,776.26	1,930,888.64	1,161,887.62	60.17%
136,143.51	79,256.35	56,887.16	71.78%	Fuel	610,511.63	775,919.37	(165,407.74)	-21.32%
112,162.70	138,817.70	(26,655.00)	-19.20%	Insurance Premiums & Claims	659,039.94	857,920.10	(198,880.16)	-23.18%
421,773.61	1,320,718.22	(898,944.61)	-68.06%	Bad Debt	1,555,755.16	3,844,981.36	(2,289,226.20)	-59.54%
160,939.00	283,919.67	(122,980.67)	-43.32%	Other Operating Expense	502,557.64	558,155.00	(55,597.36)	-9.96%
-	(1,018,097.00)	1,018,097.00	-	Mapping/Insurance Recovery	-	(1,018,097.00)	1,018,097.00	-
(2,786,679.95)	(3,044,229.07)	257,549.12	-8.46%	Capitalized Overhead	(14,959,158.78)	(15,393,202.38)	434,043.60	-2.82%
-	-	-	-	Capital Expenses (over)/under applied	-	-	-	-
8,694,394.71	8,793,447.33	(99,052.62)	-1.13%	Total Service and Administrative Costs	42,982,357.89	44,765,932.58	(1,783,574.69)	-3.98%
6,281,384.97	5,065,284.59	1,216,100.38	24.01%	Depreciation	37,717,630.78	30,134,064.01	7,583,566.77	25.17%
109,649.59	104,697.12	4,952.47	4.73%	Amortization	636,191.38	652,222.72	(16,031.34)	-2.46%
6,391,034.56	5,169,981.71	1,221,052.85	23.62%	Total Depreciation/Amortization	38,353,822.16	30,786,286.73	7,567,535.43	24.58%
15,085,429.27	13,963,429.04	1,122,000.23	8.0%	Total Operating Expenses	81,336,180.05	75,552,219.31	5,783,960.74	7.7%
5,002,190.89	4,398,038.64	604,152.25	13.7%	Net Operating Income	48,848,456.52	47,626,274.27	1,222,182.25	2.6%
				Non-Operating Revenue (Expenses)				
-	-	-	-	Gain/Loss Disposal of Assets	10,000.00	-	10,000.00	-
1,598,513.77	1,184,526.48	413,987.29	34.95%	Investment Income	6,207,354.83	8,391,346.25	(2,183,991.42)	-26.03%
(6,562,712.23)	(6,155,179.66)	(407,532.57)	6.62%	Interest Expense	(37,176,878.60)	(37,342,969.16)	166,090.56	-0.44%
(4,964,198.46)	(4,970,653.18)	6,454.72	-0.1%	Total Non-Operating Revenue (Expenses)	(30,959,523.77)	(28,951,622.91)	(2,007,900.86)	6.9%
-	-	-	-	Contributions	2,418,697.00	-	2,418,697.00	-
37,992.43	(572,614.54)	610,606.97	-106.6%	Change in Net Position before change in Swaps	20,307,629.75	18,674,651.36	1,632,978.39	8.7%
3,962,671.96	2,650,668.54	1,312,003.42	49.50%	Change in Fair Value of Swaps	24,975,546.37	(5,662,123.39)	30,637,669.76	-541.10%
4,000,664.39	2,078,054.00	1,922,610.39	92.5%	Change in Net Position after change in Swaps	45,283,176.12	13,012,527.97	32,270,648.15	248.0%

STATEMENT OF NET POSITION, DECEMBER 31, 2016

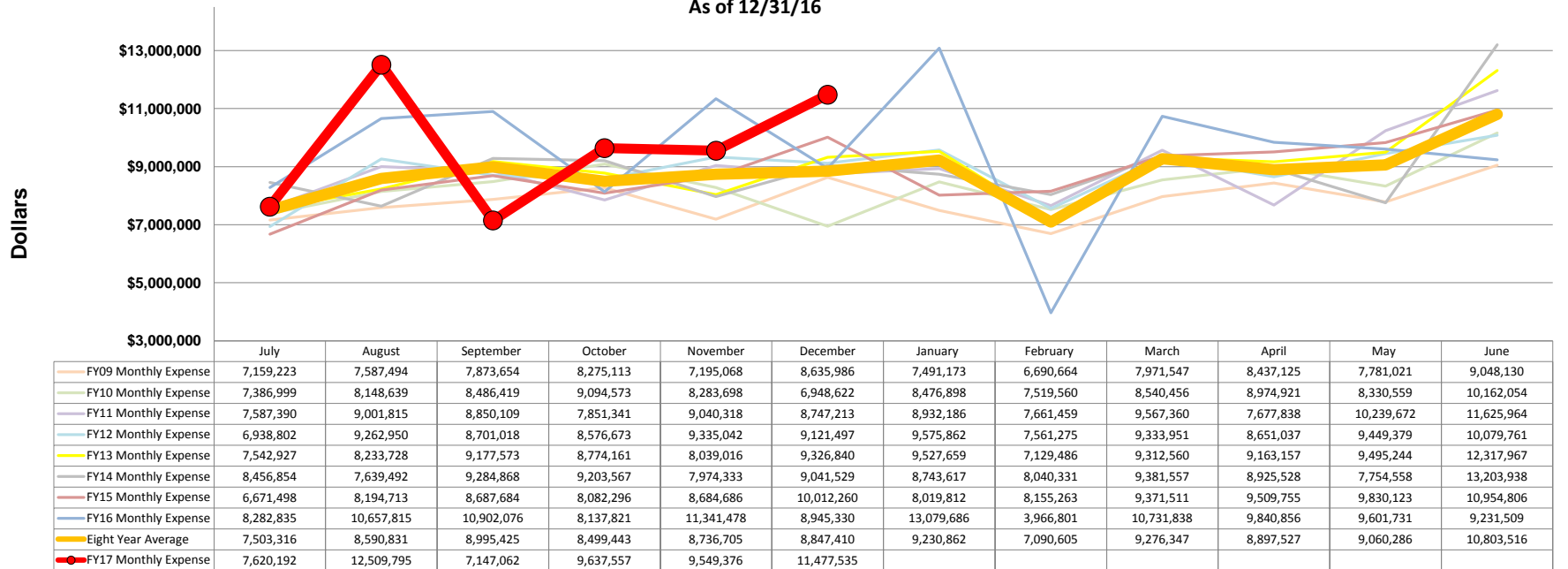
	YTD December	YTD June 2016	Variance	Percent
Current Assets				
Unrestricted Cash & Cash Equivalents	71,642,536.98	69,781,021.66	1,861,515.32	2.67%
Sewer & Drainage Receivable	17,752,801.74	17,803,832.37	(50,830.63)	-0.29%
Assessment Warrants Receivable	559,313.98	910,125.41	(350,811.43)	-38.55%
Miscellaneous Receivables	5,262,832.89	7,982,645.63	(2,719,812.74)	-34.07%
Inventories	4,162,009.18	4,210,049.05	(48,039.87)	-1.14%
Prepaid Expenses	944,164.02	1,790,867.76	(846,703.74)	-47.28%
Restricted Funds	236,758,777.80	169,825,007.59	66,933,770.21	39.41%
Accrued Interest Receivable	1,193,227.98	1,193,227.98	-	0.00%
Total Current Assets	338,275,664.57	273,496,577.45	64,779,087.12	23.69%
Non-Current Assets				
Utility Plant in Service	3,192,488,830.74	3,155,695,912.16	36,792,918.58	1.17%
Accumulated Depreciation	(1,107,858,416.00)	(1,070,108,119.48)	(37,750,296.52)	3.53%
Construction in Progress	560,888,204.13	487,674,069.17	73,214,134.96	15.01%
Net Fixed Assets	2,645,518,618.87	2,573,261,861.85	72,256,757.02	2.81%
Non-Current Receivables	32,398,934.38	29,313,806.36	3,085,128.02	10.52%
Total Assets	3,016,193,217.82	2,876,072,245.66	140,120,972.16	4.87%
Total Deferred Outflow of Resources	32,509,298.81	23,707,870.26	8,801,428.55	37.12%
Total Assets & Deferred Outflow of Resources	3,048,702,516.63	2,899,780,115.92	148,922,400.71	5.14%
Current Liabilities				
Miscellaneous Accounts Payable	7,994,070.70	11,114,898.55	(3,120,827.85)	-28.08%
Accounts Payable - Construction	1,002,179.54	19,021,259.64	(18,019,080.10)	-94.73%
Contract Retainage	16,256,440.67	14,249,364.70	2,007,075.97	14.09%
Accrued Interest Payable	11,729,493.41	17,532,813.96	(5,803,320.55)	-33.10%
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	2,673,159.60	2,557,425.87	115,733.73	4.53%
Accrued Salaries & Wages	1,021,515.59	2,750,705.13	(1,729,189.54)	-62.86%
Accrued Workers' Comp Insurance	1,307,381.18	1,270,001.46	37,379.72	2.94%
Employee Comp Absences Payable	2,509,088.64	2,284,835.53	224,253.11	9.81%
Total Current Liabilities	304,901,163.60	331,018,119.80	(26,116,956.20)	-7.89%
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	149,468,340.20	136,805,025.36	12,663,314.84	9.26%
Total Non-Current Liabilities	2,014,728,340.20	1,859,550,025.36	155,178,314.84	8.34%
Total Liabilities	2,319,629,503.80	2,190,568,145.16	129,061,358.64	5.89%
Total Deferred Inflow of Resources	83,210,755.70	108,632,889.75	(25,422,134.05)	-23.40%
Total Liabilities & Deferred Inflow of Resources	2,402,840,259.50	2,299,201,034.91	103,639,224.59	4.51%
Net Position	645,862,257.13	600,579,081.01	45,283,176.12	7.54%

FY 2017
MSD Operating Budget Performance
as of 12/31/16



Prepared by : Patrick Meador

MSD
FY 2017 Monthly Operating Performance
Actual Results versus Eight Year Average
As of 12/31/16



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 12/31/16

<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	20,124,900	20,359,338	20,126,738	234,438	232,600
Labor Related Overhead	9,196,415	7,792,376	7,621,951	(1,404,039)	170,425
Utilities	7,011,380	6,831,493	9,378,289	(179,887)	(2,546,796)
Materials & Supplies	4,382,999	3,579,048	3,715,556	(803,951)	(136,508)
Contractual Services	13,539,294	12,959,111	11,436,820	(580,183)	1,522,291
Chemicals	2,052,621	2,960,434	1,930,849	907,813	1,029,585
Fuel	680,910	610,922	586,260	(69,988)	24,662
Insurance Premiums & Claims	992,587	659,040	857,920	(333,547)	(198,880)
Bad Debt	999,996	1,555,755	1,984,417	555,759	(428,662)
Other Operating Expense	1,134,349	491,111	541,593	(643,238)	(50,482)
System Roll-up Variance	0	142,889	118,177	142,889	24,712
TOTAL	60,115,451	57,941,517	58,298,571	(2,173,934)	(357,054)

<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	5,161,906	4,347,835	3,758,631	(814,071)	589,204
Executive	(1,307,965)	1,754,323	1,860,098	3,062,288	(105,775)
Finance	5,873,249	6,082,093	6,245,549	208,844	(163,456)
Human Resources	3,509,070	2,821,568	3,365,463	(687,502)	(543,895)
Information Technology	6,051,516	5,312,881	3,810,302	(738,635)	1,502,579
Legal Services	2,249,089	717,387	755,612	(1,531,702)	(38,225)
OPERATIONS GROUP	38,578,586	36,762,540	38,384,741	(1,816,046)	(1,622,201)
System Roll-up Variance	0	142,889	118,177	142,889	24,712
TOTAL	60,115,451	57,941,517	58,298,571	(2,173,934)	(357,054)

<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)	11,744,408	8,858,345	8,365,879	(2,886,063)	492,466
DRAINAGE & FP - (I&FP)	7,530,410	7,176,690	9,485,683	(353,720)	(2,308,993)
PERFORMANCE	(2,451,984)	468,781	501,953	2,920,765	(33,172)
SUPPORT - (Phy Assets)	4,834,274	3,842,030	2,606,156	(992,244)	1,235,874
TREATMENT - (MFWTP)	16,921,478	16,416,693	17,425,069	(504,785)	(1,008,376)
Operations Group Total	38,578,586	36,762,540	38,384,741	(1,816,046)	(1,622,201)

Prepared by: Patrick Meador

Detail of MSD Operating Expense
as of 12/31/16

	<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	3,476,867	2,991,525	(1,710,670)	569,322	1,027,237	911,062	934,874	857,622
Labor Related Overhead	1,297,969	999,725	298,464	326,090	379,916	270,800	1,198,470	762,176
Utilities	0	480	900	0	0	108	200,811	181,218
Materials & Supplies	93,696	88,808	66,426	(406,258)	46,462	47,171	126,154	112,794
Contractual Services	227,498	215,630	(185,006)	1,131,487	2,765,196	2,807,373	964,092	861,994
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	584,581	464,295	0	0
Bad Debt	0	0	0	0	999,996	1,555,755	0	0
Other Operating Expense	65,876	51,666	221,921	133,683	69,861	25,529	84,669	45,764
Settlement Accounts	0	0	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0	0	0
Total	5,161,906	4,347,835	(1,307,965)	1,754,323	5,873,249	6,082,093	3,509,070	2,821,568

	<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	1,351,494	1,248,216	492,774	395,129	14,552,324	13,386,463	20,124,900	20,359,338
Labor Related Overhead	494,510	407,788	159,355	110,881	5,367,731	4,914,916	9,196,415	7,792,376
Utilities	620,196	400,931	0	0	6,189,473	6,248,756	7,011,380	6,831,493
Materials & Supplies	638,588	599,352	15,514	1,550	3,396,159	3,135,632	4,382,999	3,579,048
Contractual Services	2,795,570	2,623,804	1,358,118	135,647	5,613,826	5,183,176	13,539,294	12,959,111
Chemicals	0	0	0	0	2,052,621	2,960,434	2,052,621	2,960,434
Fuel	0	0	0	0	680,910	610,922	680,910	610,922
Insurance Premiums & Claims	0	0	168,006	38,241	240,000	156,503	992,587	659,040
Bad Debt	0	0	0	0	0	0	999,996	1,555,755
Other Operating Expense	151,158	32,792	55,322	35,940	485,542	165,737	1,134,349	491,111
Settlement Accounts	0	0	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0	0	142,889
Total	6,051,516	5,312,881	2,249,089	717,387	38,578,586	36,762,540	60,115,451	57,941,517

Prepared by: Patrick Meador

Detail of MSD Operating Expense
as of 12/31/16

	<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	4,933,937	4,708,594	2,867,890	2,199,538	496,700	339,230
Labor Related Overhead	1,823,778	1,662,891	1,122,897	991,187	187,542	125,545
Utilities	1,277,754	5,074	1,169,500	1,817,791	(83,002)	0
Materials & Supplies	856,135	723,022	549,919	805,169	(373,500)	1,411
Contractual Services	2,093,812	1,195,151	1,781,959	1,330,938	(2,475,910)	2,332
Chemicals	387,620	393,519	0	181	(140,002)	0
Fuel	12,000	5,304	2,000	0	0	0
Insurance Premiums & Claims	240,000	150,854	0	5,649	0	0
Bad Debt	0	0	0	0	0	0
Other Operating Expense	119,372	13,935	36,245	26,238	(63,812)	263
Settlement Accounts	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0
Total	11,744,408	8,858,345	7,530,410	7,176,690	(2,451,984)	468,781

	<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	1,702,958	1,646,771	4,550,839	4,492,329	14,552,324	13,386,463
Labor Related Overhead	637,071	584,158	1,596,443	1,551,134	5,367,731	4,914,916
Utilities	0	38,249	3,825,221	4,387,642	6,189,473	6,248,756
Materials & Supplies	702,245	341,135	1,661,360	1,264,896	3,396,159	3,135,632
Contractual Services	927,968	563,893	3,285,997	2,090,862	5,613,826	5,183,177
Chemicals	0	0	1,805,003	2,566,735	2,052,621	2,960,434
Fuel	655,472	599,813	11,438	5,805	680,910	610,922
Insurance Premiums & Claims	0	0	36,480	0	276,480	156,503
Bad Debt	0	0	0	0	0	0
Other Operating Expense	208,560	68,012	148,697	57,289	449,062	165,737
Settlement Accounts	0	0	0	0	0	0
System Roll-up Variance	0	0	0	0	0	0
Total	4,834,274	3,842,030	16,921,478	16,416,693	38,578,586	36,762,540

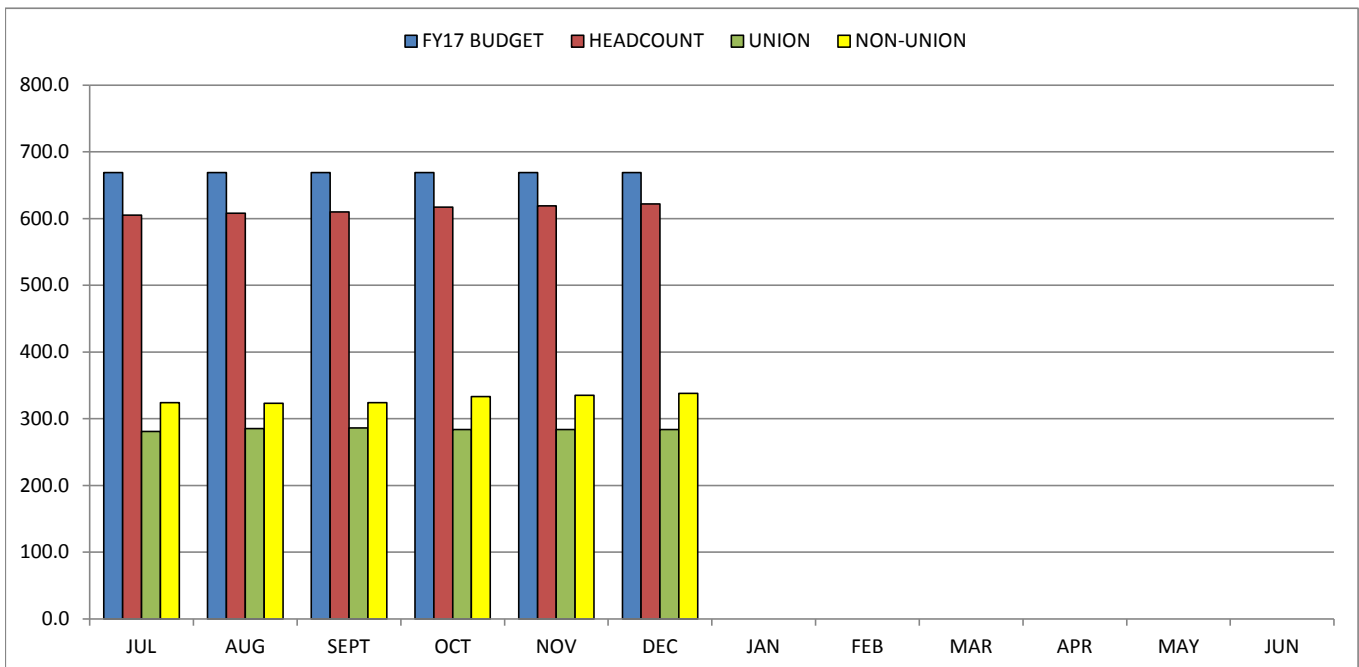
Prepared by: Patrick Meador

**FY 2017
MSD STAFFING
December**

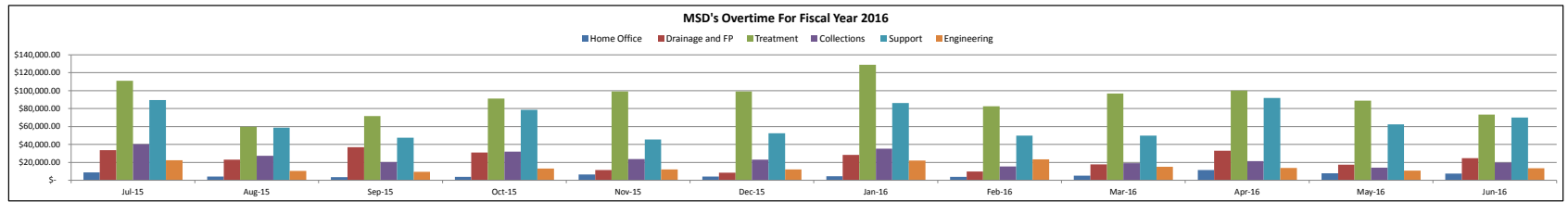
	<u>UNION</u>	<u>NON-UNION</u>	<u>HEADCOUNT</u>	<u>FY17 BUDGET</u>
ENGINEERING	0.0	85.0	85.0	97.0
EXECUTIVE	0.0	32.0	32.0	36.0
FINANCE	0.0	32.0	32.0	33.0
HUMAN RESOURCES	0.0	15.0	15.0	16.0
INFORMATION TECH	0.0	30.0	30.0	33.0
LEGAL	0.0	7.0	7.0	7.0
OPERATIONS	284.0	137.0	421.0	447.0
ALL DIVISIONS	284.0	338.0	622.0	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
Prior Month - Novober	284.0	335.0	619.0	669.0



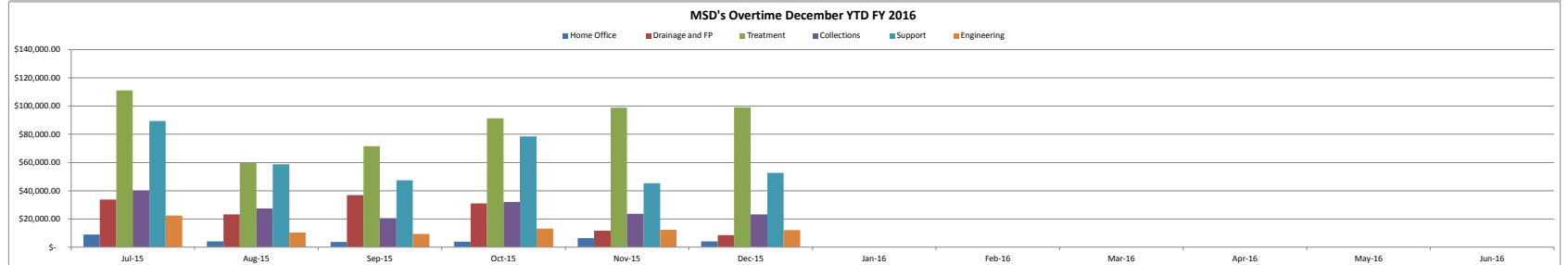
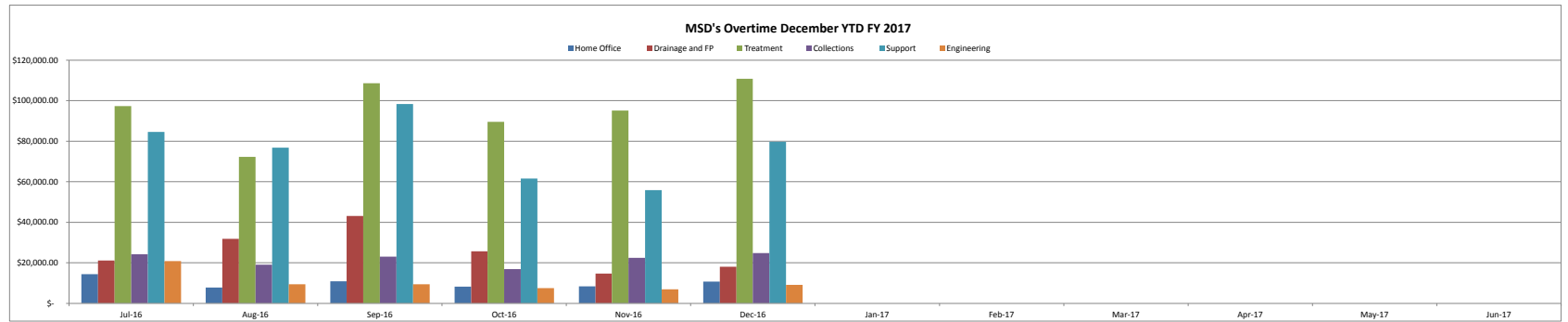
Prepared by: Patrick Meador



MSD's Total Overtime for Fiscal Year 2016		
	Total Overtime	% of Total Overtime
Home Office	\$ 71,625.82	2.65%
Treatment	\$ 275,799.00	10.21%
Drainage and Flood Protection	\$ 1,102,370.63	40.80%
Collections	\$ 291,623.84	10.79%
Support	\$ 782,131.66	28.95%
Engineering	\$ 178,100.80	6.59%

Total OT/ Total Salary	
	Fiscal Year 2017
Total Overtime	\$ 1,438,829.64
Total Salary	\$ 19,936,770.99
Overtime Percentage of Total Salary	7.22%

MSD's Overtime Comparison YTD				
	December YTD FY'17		December YTD FY'16	Variance
Home Office	\$ 60,430.26	Home Office	\$ 30,945.80	\$29,484.46
Treatment	\$ 154,343.46	Treatment	\$ 144,878.28	\$9,465.18
Drainage and Flood Protection	\$ 573,715.61	Drainage and Flood Protection	\$ 531,875.01	\$41,840.60
Collections	\$ 130,297.44	Collections	\$ 166,694.26	-\$36,396.82
Support	\$ 456,871.07	Support	\$ 372,019.91	\$84,851.16
Engineering	\$ 63,171.80	Engineering	\$ 79,466.67	-\$16,294.87



Total Overtime vs. Total Salary for Fiscal Year 2017													
	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	YTD 2017
Total Overtime	\$ 262,436.12	\$ 217,135.00	\$ 293,218.85	\$ 209,427.22	\$ 203,362.38	\$ 253,250.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,438,829.64
Total Salary	\$ 2,609,846.09	\$ 3,323,208.47	\$ 3,441,118.42	\$ 3,194,320.60	\$ 3,192,055.34	\$ 4,176,222.07	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,936,770.99
Overtime % of Total Salary	10.06%	6.53%	8.52%	6.56%	6.37%	6.06%							7.22%

*August and September Adjusted for Vacation Accrual

Prepared by Samuel Miller

1/18/2017

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

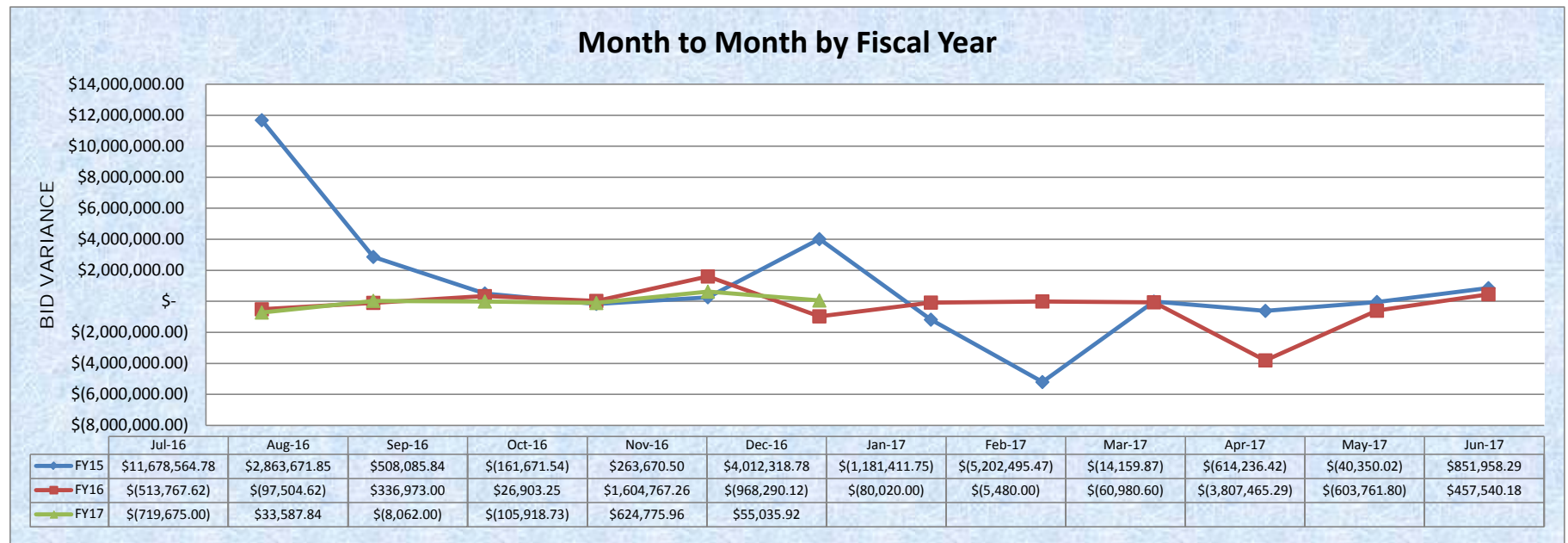
FY 16 Variance by Month	
Mth	FY16
Jul-14	\$ (513,767.62)
Aug-14	\$ (97,504.62)
Sep-14	\$ 336,973.00
Oct-14	\$ 26,903.25
Nov-14	\$ 1,604,767.26
Dec-14	\$ (968,290.12)
Jan-15	\$ (80,020.00)
Feb-15	\$ (5,480.00)
Mar-15	\$ (60,980.60)
Apr-15	\$ (3,807,465.29)
May-15	\$ (603,761.80)
Jun-15	\$ 457,540.18
TOTAL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

FY 17 Variance by Month	
Mth	FY17
Jul-16	\$ (719,675.00)
Aug-16	\$ 33,587.84
Sep-16	\$ (8,062.00)
Oct-16	\$ (105,918.73)
Nov-16	\$ 624,775.96
Dec-16	\$ 55,035.92
Jan-17	
Feb-17	
Mar-17	
Apr-17	
May-17	
Jun-17	
TOTAL FY16	\$ (120,256.01)

	FY 15 Over/Under Total Variance	FY 16 Over/Under Total Variance	FY 17 Over/Under Total Variance
# OVER	29	31	15
\$ OVER	\$ 22,692,303.47	\$ 5,938,849.72	\$ 936,508.49
%	25.09%	16.49%	20.55%

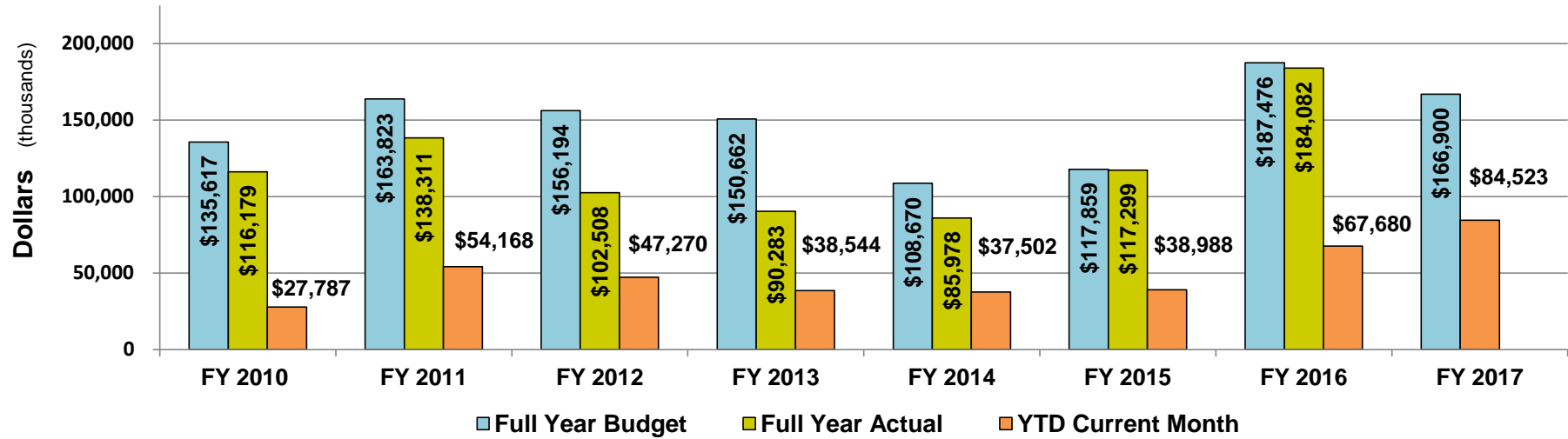
# UNDER	25	45	23
\$ UNDER	\$ (9,728,358.50)	\$ (9,649,936.08)	\$ (1,056,764.50)
%	-11.05%	-19.25%	-25.18%

Total YTD	\$ 12,963,944.97	\$ (3,711,086.36)	\$ (120,256.01)
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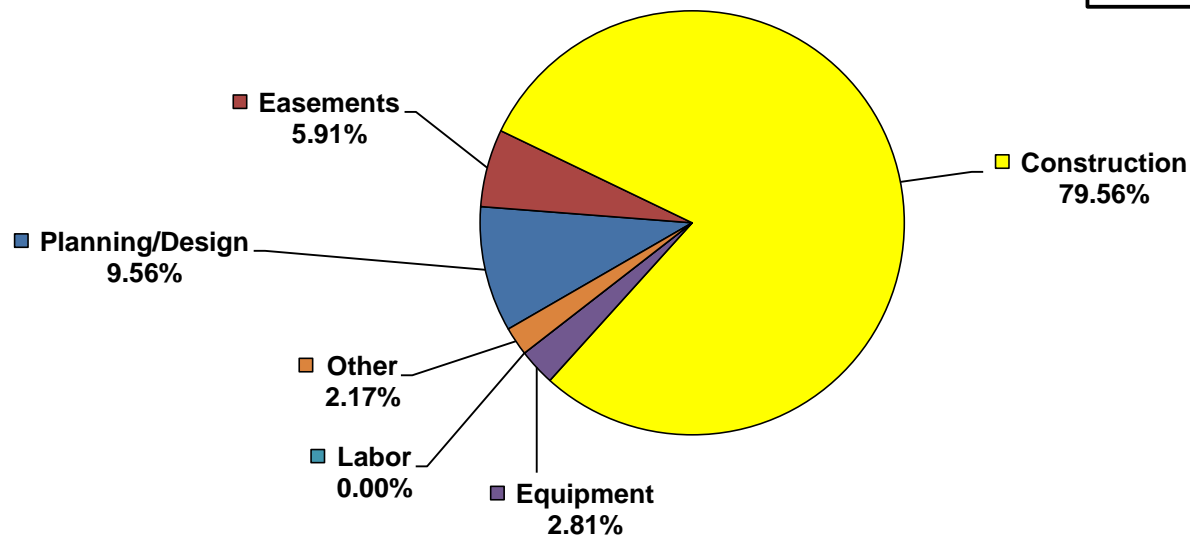
Total variance reflects the difference of Estimate Cost vs. Board Approval by month for Construction services.

**FY 2017
MSD Capital Budget Performance
YTD as of 12/31/16**



Prepared by: Patrick Meador

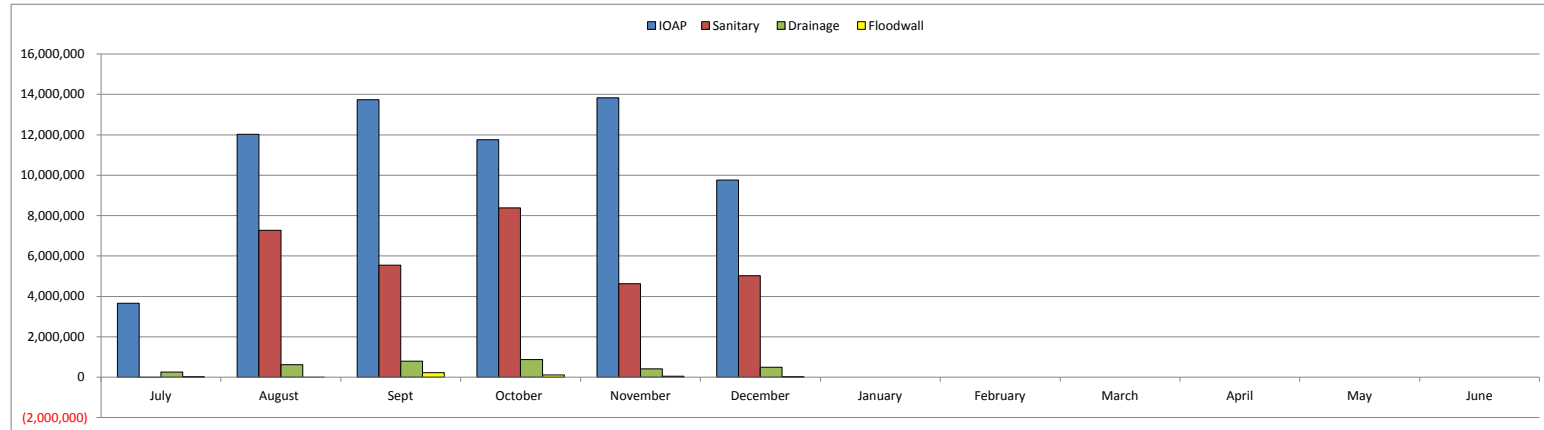
MSD Capital Expenditures by Category



**Total Expenditures to Date:
\$84,522,539**

Prepared by: Patrick Meador

MSD MONTHLY CAPITAL SPENDING BY TYPE
(Includes Capitalized Overhead)
As of 12/31/16



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	9,755,033	0	0	0	0	0	0	64,758,302	65%
Sanitary	(10,704)	7,275,603	5,542,202	8,389,495	4,630,529	5,026,664	0	0	0	0	0	0	30,853,789	31%
Drainage	259,461	617,136	787,398	877,100	418,046	499,187	0	0	0	0	0	0	3,458,328	3%
Floodwall	13,536	9,000	220,333	108,090	47,253	13,066	0	0	0	0	0	0	411,278	0%
Total	3,930,005	19,919,652	20,278,286	21,132,293	18,927,512	15,293,950	0	0	0	0	0	0	99,481,698	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%

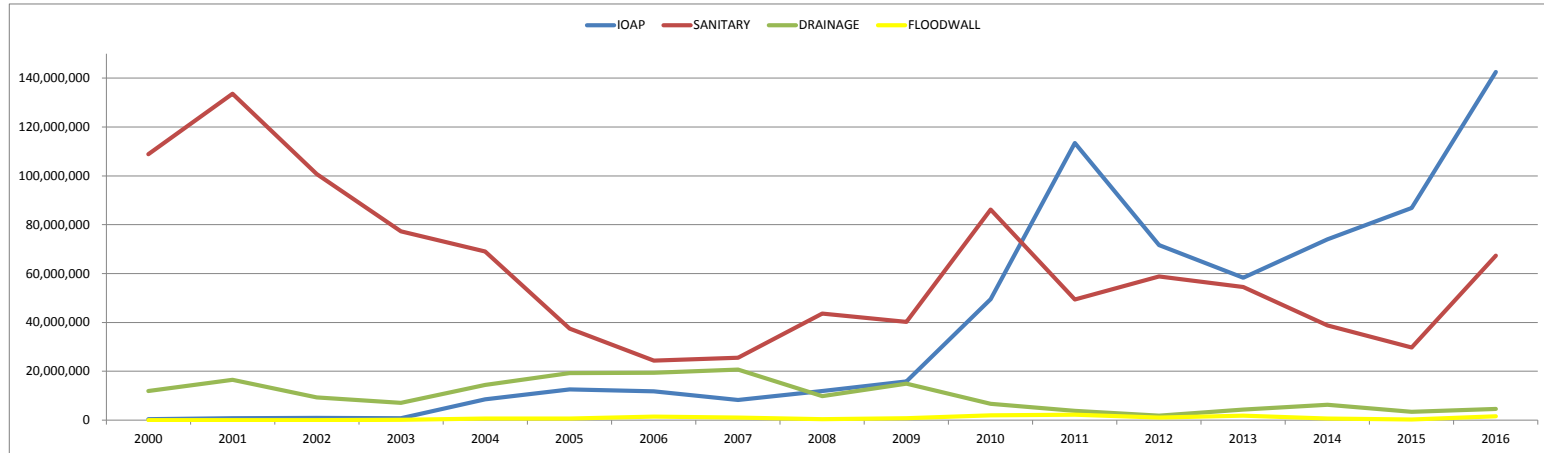
(Negative September / October spending caused by reversal of FY14 Capital accruals.)

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	64,758,302	0	0	0	0	0	0	64,758,302	65%
Sanitary	(10,704)	7,264,899	12,807,101	21,196,596	25,827,125	30,853,789	0	0	0	0	0	0	30,853,789	31%
Drainage	259,461	876,597	1,663,995	2,541,095	2,959,141	3,458,328	0	0	0	0	0	0	3,458,328	3%
Floodwall	13,536	22,536	242,869	350,959	398,212	411,278	0	0	0	0	0	0	411,278	0%
Total	3,930,005	23,849,657	44,127,943	65,260,236	84,187,748	99,481,698	0	0	0	0	0	0	99,481,698	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	10,556,298	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

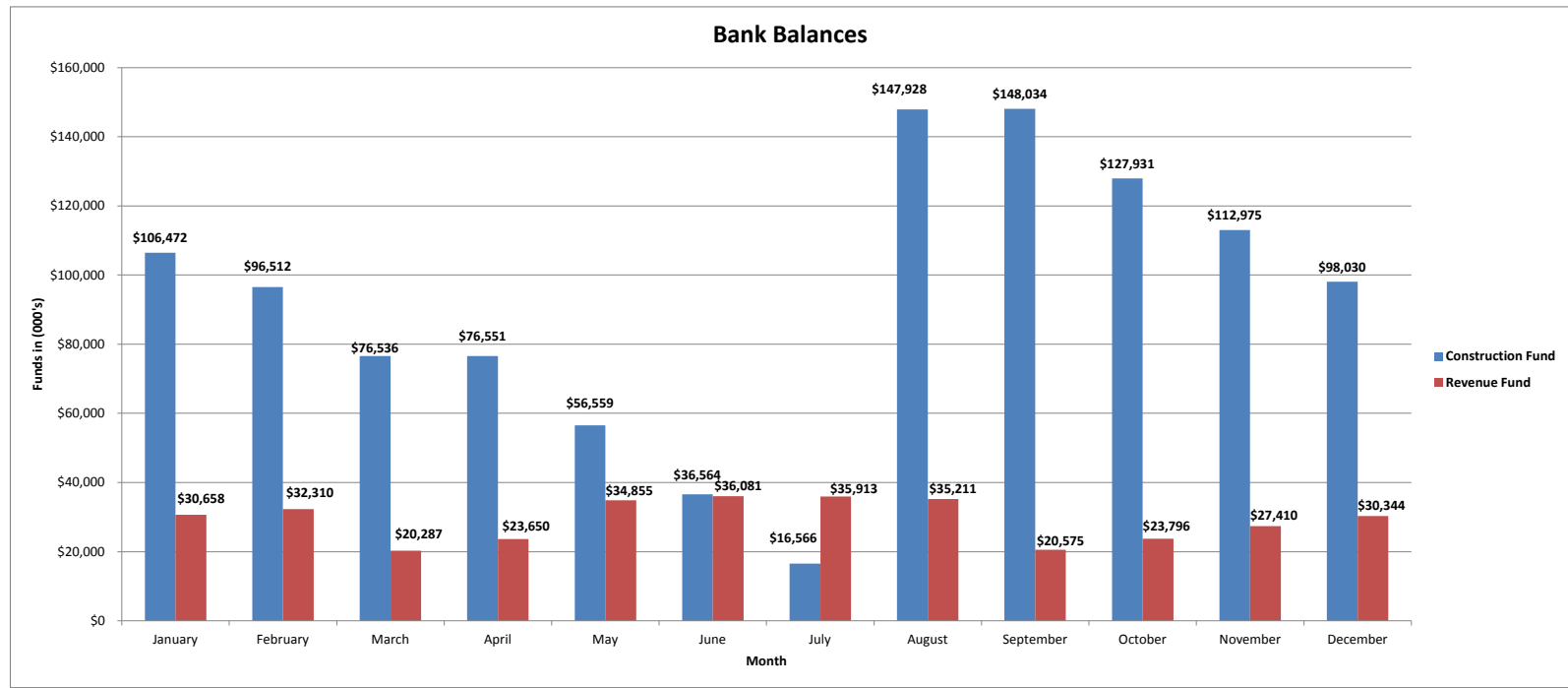
Prepared by: Patrick Meador

MSD CASH FLOW SUMMARY (000's)

SAP CASH ACTIVITY

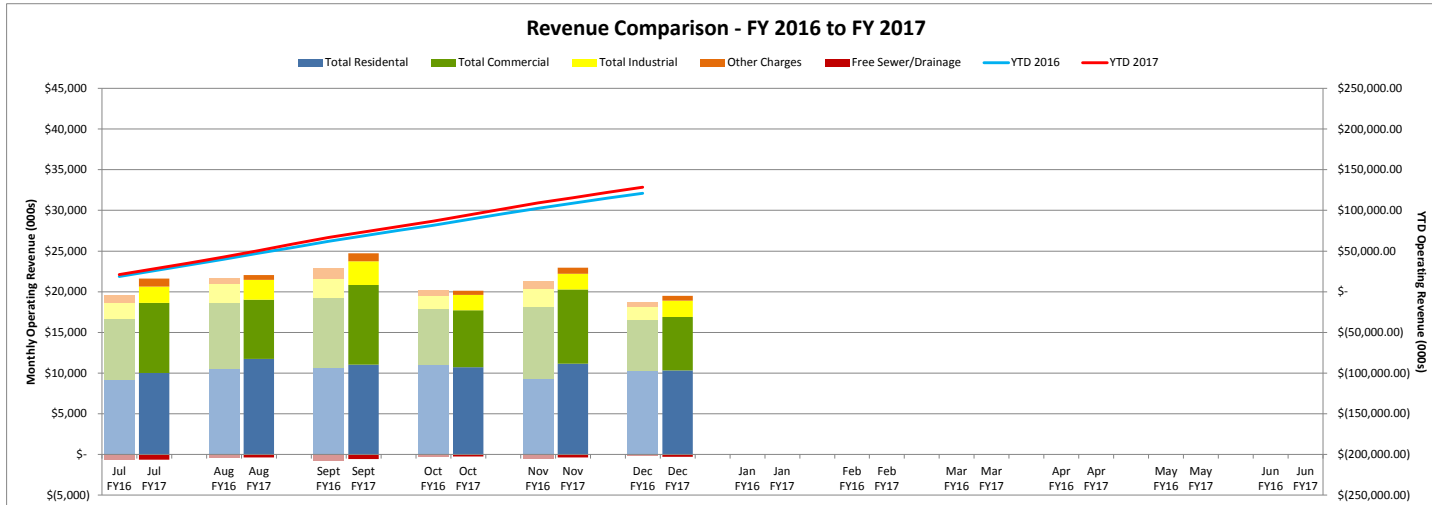
12 Month Rolling Average January 2016-December 2016

	January	February	March	April	May	June	July	August	September	October	November	December
Revenue Total	\$ 17,587	\$ 23,565	\$ 24,090	\$ 19,195	\$ 25,625	\$ 21,791	\$ 19,908	\$ 25,268	\$ 21,443	\$ 24,719	\$ 26,822	\$ 26,731
Operating Expense	(8,187)	(8,155)	(10,593)	(11,018)	(12,483)	(12,483)	(11,165)	(10,723)	(11,034)	(12,067)	(9,717)	(12,453)
Debt Service	(10,766)	(10,768)	(10,761)	(10,762)	(10,811)	(10,811)	(10,817)	(10,811)	(11,900)	(11,910)	(11,887)	(11,600)
Funds Available	\$ (1,366)	\$ 4,642	\$ 2,736	\$ (2,585)	\$ 2,330	\$ (1,504)	\$ (2,074)	\$ 3,733	\$ (1,491)	\$ 742	\$ 5,219	\$ 2,678
Transfers In	20,000	10,000	20,000	0	20,000	20,000	20,000	18,935	33	20,184	15,000	15,000
Capital Payments	(14,518)	(17,539)	(11,400)	(15,554)	(14,151)	(23,965)	(12,013)	(22,350)	(17,054)	(17,019)	(12,720)	(18,058)
Net Change	\$ 4,116	\$ (2,898)	\$ 11,336	\$ (18,139)	\$ 8,179	\$ (5,469)	\$ 5,913	\$ 319	\$ (18,512)	\$ 3,907	\$ 7,498	\$ (380)



Prepared By Sam Miller 01/17/2017

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	\$ 2,837	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,806	27.38%
	Volume Charges	3,420	3,961	3,824	3,539	3,795	3,304	-	-	-	-	-	-	21,843	33.59%
	Quality Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
	Meter Reading Charge	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00%
	Consent Decree Charge	2,311	2,662	2,541	2,440	2,586	2,378	-	-	-	-	-	-	14,918	22.94%
	Senior Citizen Discount	(58)	(80)	(61)	(74)	(67)	(70)	-	-	-	-	-	-	(411)	-0.63%
Drainage															
	Drainage Fees	1,586	2,032	1,725	1,908	1,745	1,872	-	-	-	-	-	-	10,868	16.71%
Total Residential		\$ 10,017	\$ 11,759	\$ 11,053	\$ 10,725	\$ 11,151	\$ 10,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,024	100.00%
Commercial															
Sewer															
	Service Charge	\$ 734	\$ 529	\$ 788	\$ 506	\$ 788	\$ 514	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,858	7.97%
	Volume Charges	3,794	2,963	4,413	2,961	3,920	2,595	-	-	-	-	-	-	20,646	42.66%
	Quality Charges	81	84	77	72	86	61	-	-	-	-	-	-	461	0.95%
	Meter Reading Charge	16	13	16	15	11	6	-	-	-	-	-	-	77	0.16%
	Consent Decree Charge	1,253	985	1,462	983	1,360	860	-	-	-	-	-	-	6,904	14.26%
Drainage															
	Drainage Fees	2,740	2,683	3,037	2,481	2,948	2,561	-	-	-	-	-	-	16,450	33.99%
Total Commercial		\$ 8,619	\$ 7,258	\$ 9,794	\$ 7,018	\$ 9,113	\$ 6,596	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,397	100.00%
Industrial															
Sewer															
	Service Charge	\$ 52	\$ 45	\$ 64	\$ 51	\$ 55	\$ 55	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 321	2.44%
	Volume Charges	802	819	905	664	774	752	-	-	-	-	-	-	4,716	35.81%
	Quality Charges	596	1,066	1,291	702	572	694	-	-	-	-	-	-	4,921	37.37%
	Meter Reading Charge	8	9	8	9	7	8	-	-	-	-	-	-	48	0.36%
	Consent Decree Charge	250	255	283	209	244	235	-	-	-	-	-	-	1,476	11.21%
Drainage															
	Drainage Fees	283	237	354	249	302	264	-	-	-	-	-	-	1,688	12.82%
Total Industrial		\$ 1,991	\$ 2,430	\$ 2,904	\$ 1,884	\$ 1,953	\$ 2,008	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,170	100.00%
Other Charges															
		\$ 979	\$ 616	\$ 991	\$ 493	\$ 732	\$ 556	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,368	
Free Charges															
	Free Sewer	\$ (629)	\$ (390)	\$ (562)	\$ (264)	\$ (373)	\$ (303)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,521)	
	Free Drainage													\$ -	
Total Sewer		\$ 16,368	\$ 16,720	\$ 19,065	\$ 15,217	\$ 17,582	\$ 14,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,433	77.42%
Total Drainage		4,609	4,952	5,115	4,638	4,994	4,696	-	-	-	-	-	-	29,006	22.58%
Total Service Charges		\$ 20,977	\$ 21,672	\$ 24,180	\$ 19,856	\$ 22,577	\$ 19,176	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 128,438	100.00%



Louisville and Jefferson County
Metropolitan Sewer District
Wastewater Customer Count

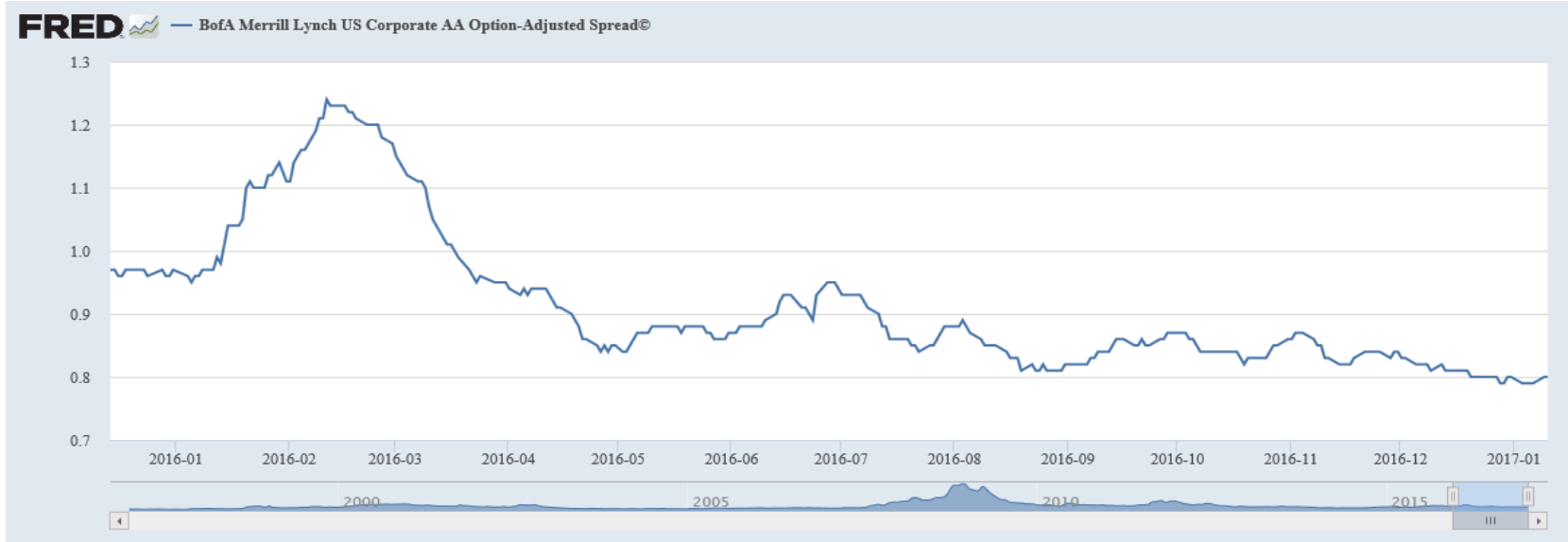
Dec-16

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	62,691	2,989	3,595	357	23	2	25	1	2	1	66,336	3,350
151	Morris Forman - City	LWC	68,191	11,095	8,843	1,659	240	73	237	11	2	24	77,513	12,862
152	Morris Forman - County	LWC	50,558	1,258	4,610	484	51	3	33	0	1	1	55,253	1,746
153	Hite Creek	LWC	9,929	164	608	35	8	0	0	0	1	0	10,546	199
235	Glen Oaks - Sec. 5 Only (Hite Creek)	LWC	267	0	1	0	0	0	0	0	0	0	268	0
237	Cedar Creek	LWC	17,160	234	1,059	58	8	1	3	0	6	0	18,236	293
244	Moser Farm (Hite Creek)	LWC	166	0	0	0	0	0	0	0	0	0	166	0
294	Floyds Fork	LWC	8,445	95	453	13	2	0	3	0	0	0	8,903	108
<u>Sub-Total</u>			217,407	15,835	19,169	2,606	332	79	301	12	12	26	237,221	18,558
<u>Grand Total</u>			233,242		21,775		411		313		38		255,779	

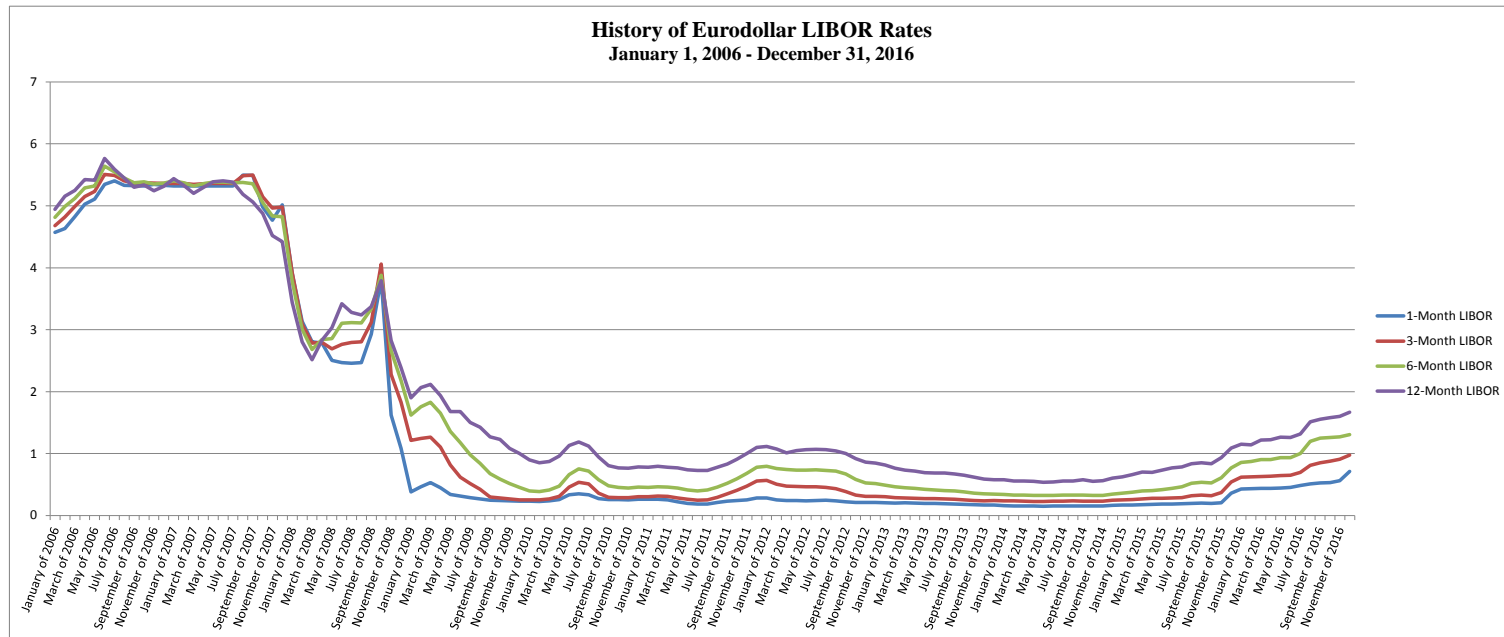
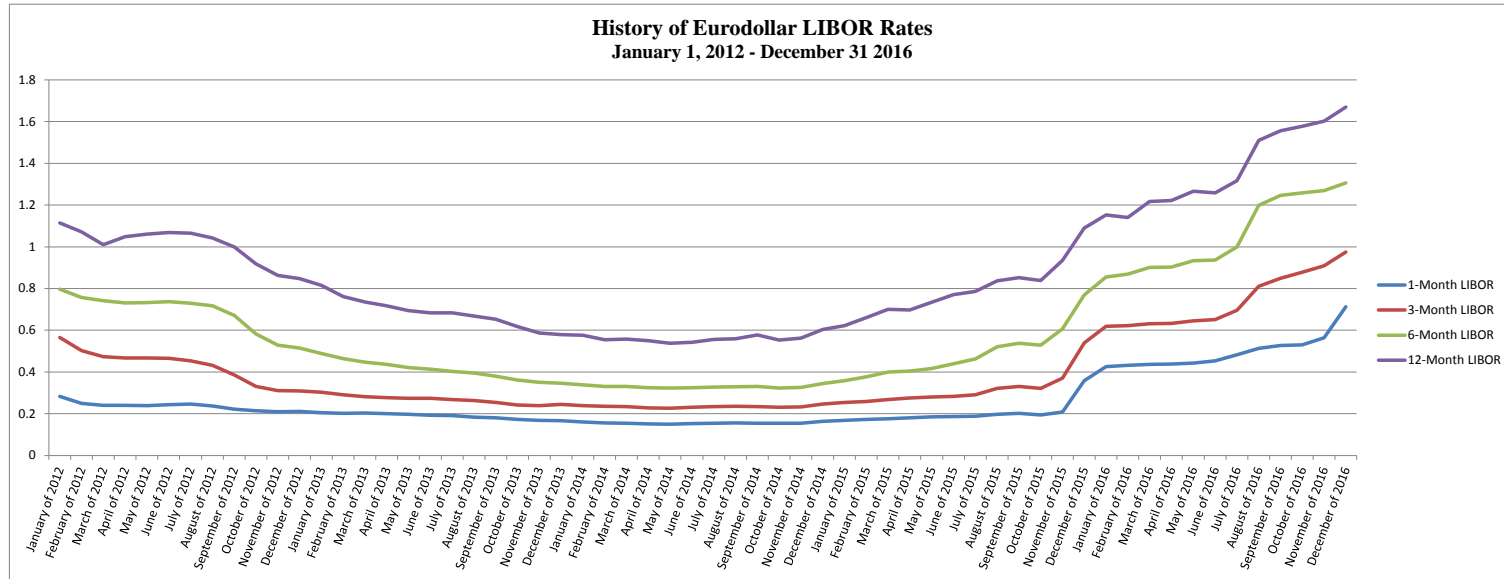
Submitted by: Adonis Henderson
Date: 1/6/2017

New Customer Count

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



Market Rates



Kentucky Municipal Market Update

January 2017

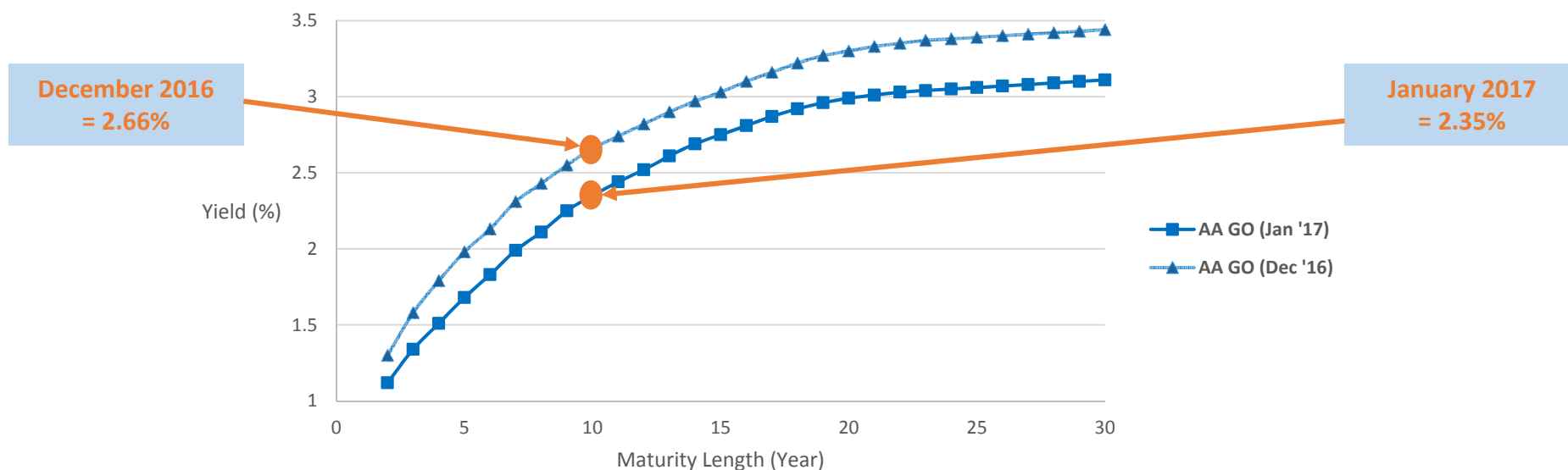


Prepared by the Public Finance Department of Hilliard Lyons for the Louisville & Jefferson Metropolitan Sewer District

Municipal Market Stabilization

Since the December 2016 market update, the interest rate environment has stabilized and has begun to pull back from the dramatic increases seen between November and December 2016. Note the chart below comparing the AA MMD Yield Curves for December 21, 2016 and January 13, 2017. Yields throughout the curve are lower for January and we have highlighted the 10 year maturity to demonstrate the decreases. The 10-year AA yield has decreased by 0.31% from 2.66% to 2.35%. January typically sees lower rates than the preceding December, largely because of decreases in the supply of bonds and increases in demand for bonds resulting from freed up cash from January maturities of existing bonds. A modest correction of the overreaction following the election could also be playing a role here, and it remains to be seen how the markets will react in the early days of a new Presidency and Congress.

Yield Curve Comparison of AA MMD



Source: Thomson Reuters

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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
December 31, 2016

Total Cash & Investments by Category	Yield	Market Value	Face Value	Cost Value	Accrued Interest	Market Gain/Loss
Cash		28,306,384	28,348,818	28,348,818	-	(42,434)
FED HOME LN MTG CORP DEB		27,780,755	27,409,206	27,410,002	21,324	370,752
Municipal Obligations	4.3 - 4.7%	87,315,874	84,590,000	83,146,718	1,179,971	4,169,156
Commercial Paper	0.79%	64,939,933	64,830,692	64,830,692	-	-
Fed Gov Oblig Fund (money mkt)	.00 - .01%	47,031,806	47,031,093	47,031,093	-	713
Dreyfus Cash Mgmt (money mkt)	.00 - .01%	39,913,555	39,914,838	39,914,838	-	70
FED NATL MTGE ASSN DISC NOTE		-	-	-	-	-
FREDDIE MAC DISC. NOTE		14,990,700	14,967,771	14,967,771		22,929
Certificate of Deposit	0.0175	100,000	100,000	100,000	-	-
		\$ 310,379,006	\$ 307,192,417	\$ 305,749,931	\$ 1,201,294	\$ 4,521,185

Total earnings on investments FYTD 2017	\$ 6,207,354
--	---------------------

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	\$ 5,516,900.00	\$ 5,000,000.00	\$ 5,087,981.25	Aa2	4.49%	5.125%	4.19%	14.6
BAY AREA TOLL AUTH CALIF TOLL	4/1/2034	\$ 3,101,130.00	\$ 3,000,000.00	\$ 2,988,573.33	Aa3	4.45%	5.00%	4.00%	11.9
BEAVERCREEK OHIO CITY SCH DIST	12/1/2036	\$ 1,365,663.60	\$ 1,260,000.00	\$ 1,232,343.00	Aa2	4.47%	5.00%	4.12%	13.2
CHICAGO ILL	1/1/2039	\$ 5,643,027.00	\$ 5,160,000.00	\$ 5,383,358.91	Ba1	4.71%	5.00%	4.56%	13.8
DALLAS TEX AREA RAPID TRAN	12/1/2036	\$ -	\$ 2,000,000.00	\$ -	Aa3	4.46%	5.00%	4.10%	13.2
FLORIDA ST BRD ED PUB ED	6/1/2037	\$ 1,414,679.40	\$ 1,380,000.00	\$ 1,309,373.13	Aa1	4.33%	4.75%	4.05%	13.5
HARRIS CNTY TEX FLOOD CTL DIST	10/1/2039	\$ 5,524,300.00	\$ 5,000,000.00	\$ 5,094,694.44	Aa1	4.39%	5.00%	4.06%	14.2
JEA FLA WTR & SWR SYS REV	10/1/2039	\$ 1,031,896.60	\$ 955,000.00	\$ 960,172.92	Aa2	4.41%	5.00%	4.08%	14.2
JEA FLA WTR & SWR SYS REV	10/1/2039	\$ 983,273.20	\$ 910,000.00	\$ 914,929.17	Aa2	4.41%	5.00%	4.08%	14.2
KING CNTY WASH SWR REV	1/1/2039	\$ 4,999,420.80	\$ 5,265,000.00	\$ 5,220,322.23	Aa2	4.39%	5.00%	4.04%	14.1
LAS VEGAS VALLEY NEV WTR DIST	2/1/2037	\$ 448,760.90	\$ 3,000,000.00	\$ 431,817.09	Aa2	4.62%	5.00%	4.37%	12.9
LOS ANGELES CALIF DEPT ARPTS	5/15/2040	\$ 5,426,500.00	\$ 5,000,000.00	\$ 4,791,850.00	Aa3	4.46%	5.00%	4.18%	14.5
LOS ANGELES CALIF DEPT WTR	7/1/2038	\$ 6,325,500.00	\$ 6,000,000.00	\$ 6,199,120.00	Aa3	4.61%	5.25%	4.25%	13.7
LOUISIANA ST GAS & FUELS TAX	5/1/2040	\$ 5,446,100.00	\$ 5,000,000.00	\$ 5,029,861.11	Aa2	4.38%	5.00%	4.05%	14.5
METROPOLITAN ATLANTA RAPID	7/1/2039	\$ 5,380,100.00	\$ 5,000,000.00	\$ 5,076,883.33	A1	4.45%	5.00%	4.15%	14.2
NEW YORK N Y CITY MUN WTR FIN	6/15/2037	\$ 4,164,950.70	\$ 4,110,000.00	\$ 4,110,000.00	Aa2	4.43%	5.00%	4.06%	13.4
NEW YORK N Y CITY MUN WTR FIN	6/15/2039	\$ 1,830,010.00	\$ 1,500,000.00	\$ 1,748,541.67	Aa2	4.59%	5.00%	4.38%	14.0
NEW YORK N Y CITY MUN WTR FIN	6/15/2039	\$ 2,146,880.00	\$ 2,000,000.00	\$ 1,975,480.00	Aa2	4.39%	5.00%	4.06%	14.2
PALM BEACH CNTY FLA PUB IMPT	5/1/2038	\$ 3,150,660.00	\$ 3,000,000.00	\$ 3,047,916.67	Aa1	4.57%	5.00%	4.32%	13.6
SALT RIVER PROJ ARIZ AGRIC	1/1/2038	\$ 2,078,120.00	\$ 2,000,000.00	\$ 2,030,331.11	Aa1	4.51%	5.00%	4.21%	13.6
SALT RIVER PROJ ARIZ AGRIC	1/1/2038	\$ 5,195,300.00	\$ 5,000,000.00	\$ 5,008,650.00	Aa1	4.51%	5.00%	4.21%	13.6
TEXAS ST	4/1/2018	\$ 3,143,910.00	\$ 430,000.00	\$ 3,060,416.67		4.14%	4.75%	-5.91%	2.8
TEXAS ST	4/1/2037	\$ 4,730,315.60	\$ 4,570,000.00	\$ 4,589,311.91	Aaa	4.47%	4.75%	3.89%	13.5
TRIBOROUGH BRDG & TUNL AUTH N	11/15/2037	\$ 836,576.00	\$ 800,000.00	\$ 794,403.56	Aa3	4.41%	5.00%	4.04%	13.6
TRIBOROUGH BRDG & TUNL AUTH N	11/15/2037	\$ -	\$ 1,750,000.00	\$ -	Aa3	4.41%	5.00%	4.04%	13.6
TRIBOROUGH BRDG & TUNL AUTH N	11/15/2038	\$ 7,431,900.00	\$ 7,000,000.00	\$ 7,060,386.67	Aa3	4.42%	5.00%	4.09%	14.0
Totals:		\$ 87,315,873.80	\$ 86,090,000.00	\$ 83,146,718.17					
Average Years to Maturity:	21.44								

Unrealized Gain in Total (Market Value - Cost)

\$4,169,155.63

Total Weighted Average Yield to Maturity

3.92990%

Total Weighted Average Duration

13.99324

Total Weighted Average Coupon Rates

5.18615%

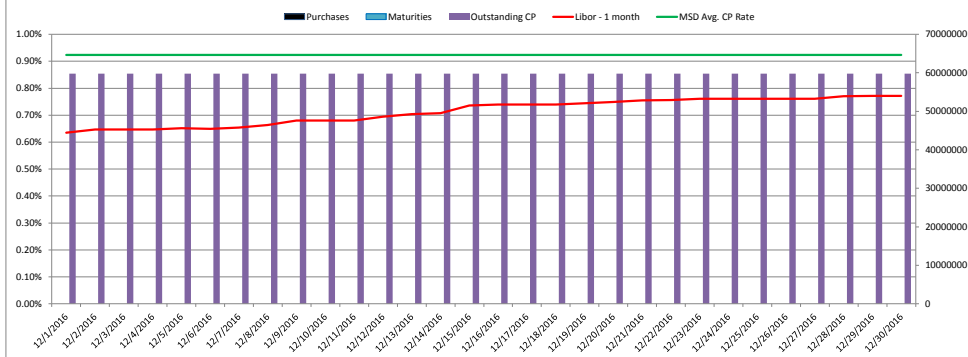
Total Weighted Average Market Yield

4.63165%

Prepared By Samuel Miller

1/18/2017

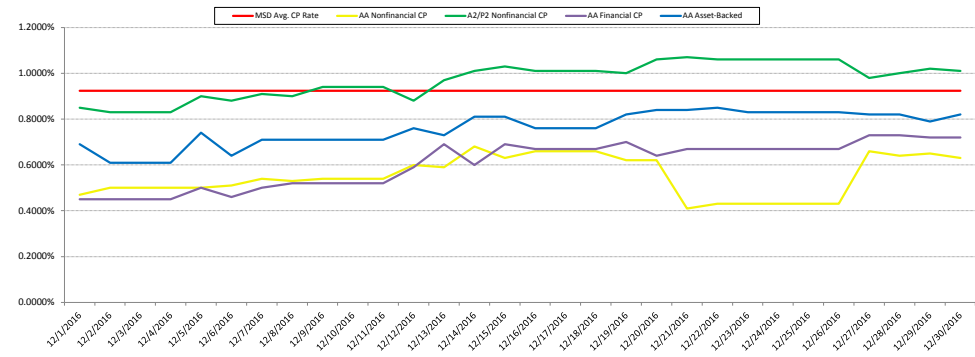
MSD's CP Purchases, Balance and 1 Mo. Buyer Rate vs. 1 Mo. LIBOR



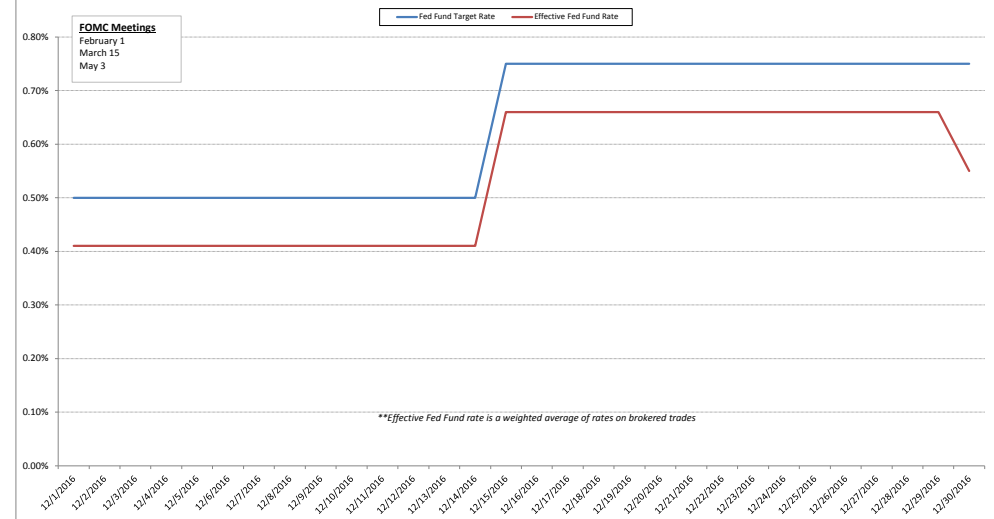
Outstanding as of 12/31/2016				
Company	Maturity Date	Purchase Amount	Maturity Amount	Rate ₁
Sumitomo Mitsui	1/27/2017	\$ 19,915,567.00	\$ 20,154,553.80	1.200%
Bank of Tokyo	1/9/2017	\$ 19,988,083.33	\$ 20,098,017.79	0.550%
Instituonal SF	3/15/2017	\$ 19,915,567.00	\$ 20,119,104.09	1.022%
Total:		\$ 59,819,217.33	\$ 60,371,675.69	0.9235%

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

MSD's Spread - Corporate Commercial Paper



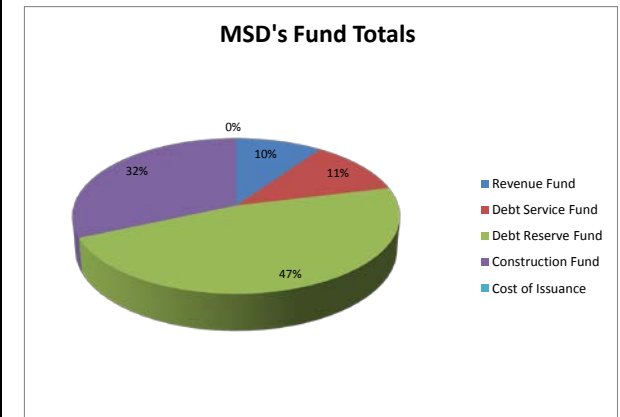
Federal Funds Rate



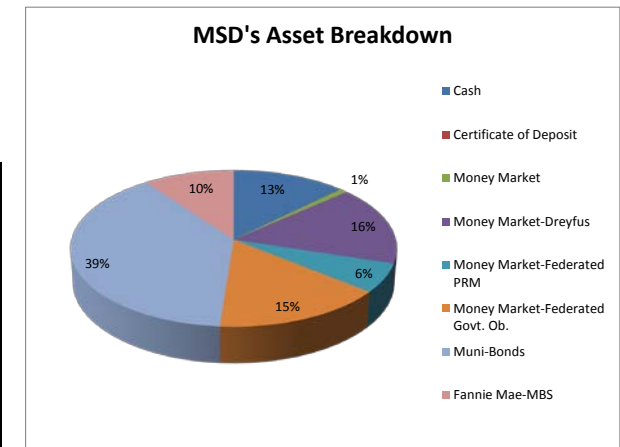
Prepared by Samuel Miller

1/18/2017

Series	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Totals
2007A	\$ -	\$ 1,191,277.71	\$ -	\$ -	\$ -	\$ 1,191,277.71
2008A	\$ -	\$ 1,734,214.28	\$ 4,382,175.01	\$ -	\$ -	\$ 6,116,389.29
2009A	\$ -	\$ 3,976,484.14	\$ 11,389,171.98	\$ -	\$ -	\$ 15,365,656.12
2009B	\$ -	\$ 10,470,668.38	\$ 28,239,790.70	\$ -	\$ -	\$ 38,710,459.08
2009C	\$ -	\$ 1,346,081.27	\$ 25,484,788.59	\$ -	\$ -	\$ 26,830,869.86
2010A	\$ -	\$ 2,579,214.80	\$ 38,665,422.48	\$ -	\$ -	\$ 41,244,637.28
2011A	\$ -	\$ 2,817,303.25	\$ -	\$ -	\$ -	\$ 2,817,303.25
2015 BAN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016 BAN	\$ -	\$ 5,564,035.32	\$ -	\$ -	\$ -	\$ 5,564,035.32
2013A&B	\$ -	\$ 2,029,265.74	\$ 28,426,632.46	\$ -	\$ -	\$ 30,455,898.20
2013C	\$ -	\$ 658,719.09	\$ 5,363,745.40	\$ -	\$ -	\$ 6,022,464.49
2014A	\$ -	\$ 454,393.73	\$ -	\$ -	\$ -	\$ 454,393.73
2015A	\$ -	\$ 1,012,383.05	\$ 4,572,829.05	\$ -	\$ -	\$ 5,585,212.10
2015B	\$ -	\$ 1,640,980.12	\$ -	\$ -	\$ -	\$ 1,640,980.12
2016A	\$ -	\$ -	\$ -	\$ 98,029,595.71	\$ 5,369.62	\$ 98,034,965.33
Cash	\$ 28,299,754.67	\$ -	\$ -	\$ -	\$ -	\$ 28,299,754.67
Certificate of Deposit	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Money Market	\$ 1,944,709.48	\$ -	\$ -	\$ -	\$ -	\$ 1,944,709.48
Totals	\$ 30,344,464.15	\$ 35,475,020.88	\$ 146,524,555.67	\$ 98,029,595.71	\$ 5,369.62	\$ 310,379,006.03



Asset Description	Revenue Fund	Debt Service Fund	Debt Reserve Fund	Construction Fund	Cost of Issuance	Totals
Cash	\$ 28,299,754.67	\$ -	\$ -	\$ -	\$ 5,369.62	\$ 28,305,124.29
Certificate of Deposit	\$ 100,000.00	\$ -	\$ -	\$ -	\$ -	\$ 100,000.00
Money Market	\$ 1,944,709.48	\$ -	\$ -	\$ -	\$ -	\$ 1,944,709.48
Money Market-Dreyfus	\$ -	\$ 6,901,976.13	\$ 11,890,049.65	\$ 18,098,963.09	\$ -	\$ 36,890,988.87
Money Market-Federated PRM	\$ -	\$ 10,470,668.38	\$ 3,022,566.40	\$ -	\$ -	\$ 13,493,234.78
Money Market-Federated Govt. Ob.	\$ -	\$ 18,102,376.37	\$ 16,515,311.07	\$ -	\$ -	\$ 34,617,687.44
Muni-Bonds	\$ -	\$ -	\$ 87,315,873.80	\$ -	\$ -	\$ 87,315,873.80
Fannie Mae-MBS	\$ -	\$ -	\$ 22,636,000.80	\$ -	\$ -	\$ 22,636,000.80
Treasury - Agency	\$ -	\$ -	\$ 5,144,753.95	\$ 14,990,700.00	\$ -	\$ 20,135,453.95
Corporate Commercial Paper	\$ -	\$ -	\$ -	\$ 39,985,765.12	\$ -	\$ 39,985,765.12
Asset Backed Commercial Paper	\$ -	\$ -	\$ -	\$ 24,954,167.50	\$ -	\$ 24,954,167.50
Totals	\$ 30,344,464.15	\$ 35,475,020.88	\$ 146,524,555.67	\$ 98,029,595.71	\$ 5,369.62	\$ 310,379,006.03



Prepared by Samuel Miller

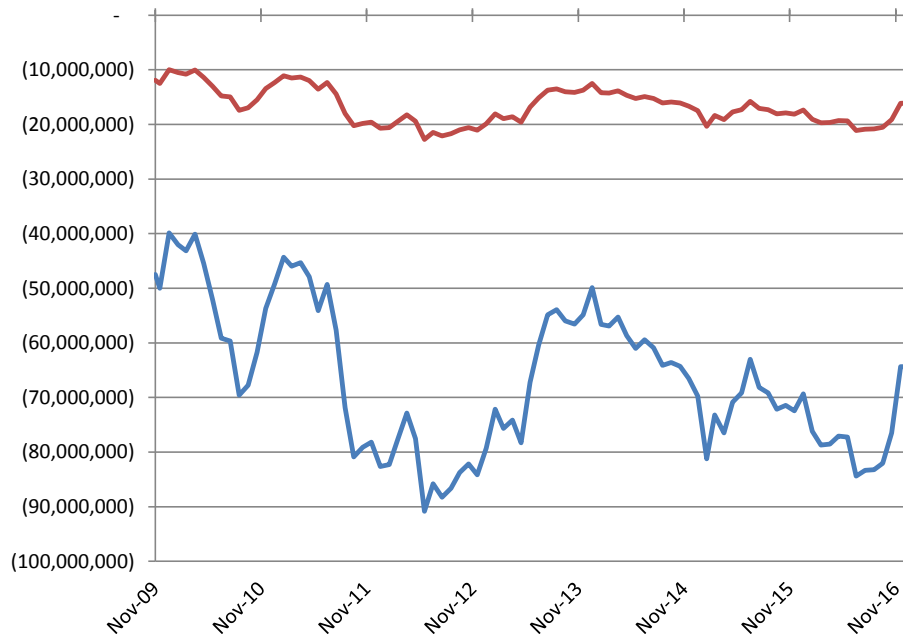
1/18/2017

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	1.57%	(\$61,469,716.69)
BofA/Merrill	2009-2	LIBOR Fixed Payer	11/15/2009	5/15/2033	45,284,000	4.4215%	67% of 1M LIBOR	1.57%	(15,386,528.79)
TOTAL					\$226,000,000			TOTAL	(\$76,856,245.49)

Historic Aggregate MTM (Inception to present)



Historic Aggregate MTM (last month)



All values reflect "mid-market" conditions as of market close 12/31/2016 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.

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	O&M Budget	ACTUALS											
		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	57,941,517						
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	57,941,517	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)	(2,173,934)	0	0	0	0	0	0

FY 2017 Performance Level Matrix Results	68.23%	97.11%	86.62%	89.84%	93.16%	96.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
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Performance Matrix		
	FY16	FY17
Exceptionally Achieves	< 92.5%	< 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	5 Yr Average
FY12	111,795,300	106,587,246	95.34%	94.72%
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%	

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

Prepared by: Patrick Meador

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

PERFORMANCE MATRIX - CAPITAL EXPENSE

FY 2017

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

ACTUALS													
Year to Date Totals	Budget	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
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	138,311,288
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	102,508,269
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	90,283,467
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	85,978,375
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	117,298,703
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	184,082,207
FY17 YTD Total	166,900,000	1,751,638	18,290,275	36,999,653	55,686,985	71,983,984	84,522,539	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%	20.89%
YTD		7.27%	8.79%	14.06%	25.35%	32.20%	40.49%	48.85%	57.24%	62.73%	70.23%	79.11%	100.00%
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	187,476,359
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	184,082,207
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)	(3,394,152)
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%	98.58%	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%	99.52%
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%	98.58%	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	166,900,000
FY17 YTD Total		1,751,638	18,290,275	36,999,653	55,686,985	71,983,984	84,522,539	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	16,952,175	0	0	0	0	0	0
FY17 Actual versus Budget Results		14.44%	124.60%	157.64%	131.61%	133.94%	125.09%	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%	7.82%
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%	-4.79%	-4.12%
FY17 Bid Estimate		3,635,730	4,022,730	4,263,730	5,530,956	7,794,867	8,874,217	0	0	0	0	0	0
FY17 Board Approved		2,916,055	3,336,643	3,569,581	4,730,888	7,619,575	8,753,961	0	0	0	0	0	0
FY17 Variance to Engineer's Estimate		-19.79%	-17.06%	-16.28%	-14.47%	-2.25%	-1.36%	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%	91.70%
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%	102.31%
FY 2017 Performance Level Matrix Results		34.23%	141.66%	173.92%	146.08%	136.19%	126.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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

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

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 *	Percentage
FY12	156,193,500	102,508,269	65.63%
FY13	150,661,500	90,283,467	59.92%
FY14	108,669,797	85,978,375	79.12%
FY15	117,859,314	117,298,703	99.52%
FY16	187,476,359	184,082,207	98.19%
AVERAGE		116,030,204	80.48%

* 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	3	0
Floyds Fork	4	2	0	1	0	0	0	0	0
Hite Creek	0	2	0	4	0	0	0	0	2
Morris Forman	0	0	3	2	0	0	0	15	11
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	4	5	4	5						
0	0	4	9	13	18						
0	0	1	2	3	4						
100.00%	100.00%	93.33%	90.00%	88.00%	86.67%						

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	2						
1	2	4	4	4	6	6	6	6	6	6	6
1	2	4	4	4	6	6	6	6	6	6	0
97.50%	97.50%	96.67%	97.50%	98.00%	97.50%						

Weighted Average											
98.8%	98.8%	95.0%	93.8%	93.0%	92.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

UD Performance Goals (50%)			
	Discharges		FY 2017
Exceptional Achieves	< 16	96.7%	> 96.7%
Commendable Achieves	17 to 26	94.6%	94.6% to 96.6%
Fully Achieves	27 to 40	91.7%	91.7% to 94.5%
Minimal Achieves	41 to 51	89.4%	89.3% to 91.6%
Fails to Achieve	> 52	89.2%	< 89.2%

NOV Performance Goals (50%)			
	NQVs		FY 2017
Exceptional Achieves	< 3	95.0%	> 95.0%
Commendable Achieves	4 to 5	91.7%	91.7% to 94.9%
Fully Achieves	6 to 7	88.3%	88.3% to 91.6%
Minimal Achieves	8 to 9	85.0%	83.4% to 88.2%
Fails to Achieve	> 10	83.3%	< 83.3%

Combined Goals		
	FY 2016	FY 2017
Exceptional Achieves	> 97%	> 95.8%
Commendable Achieves	95% to 96.9%	93.1% to 95.7%
Fully Achieves	92.10% to 94.9%	90.0% to 93.0%
Minimal Achieves	89.10% to 92.0%	86.4% to 89.9%
Fails to Achieve	< 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	7	0	0	0	0	0	0
Annualized	12	24	24	18	17	14	0	0	0	0	0	0
Percentage	30%	60%	60%	45%	42%	35%	0%	0%	0%	0%	0%	0%
Lost Time due to Injury												
Cumulative Number	3	5	7	7	8	9	0	0	0	0	0	0
Annualized	36	30	28	21	19	18	0	0	0	0	0	0
Percentage	106%	88%	82%	62%	56%	53%	0%	0%	0%	0%	0%	0%
Preventable Accidents												
Cumulative Number	3	9	13	17	18	23	0	0	0	0	0	0
Annualized	36	54	52	51	43	46	0	0	0	0	0	0
Percentage	55%	83%	80%	78%	66%	71%	0%	0%	0%	0%	0%	0%
Weighted Average	63.7%	77.1%	74.1%	61.7%	55.0%	52.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<u>Actual</u>	OSHA <u>Rec. Inj.</u>	Lost <u>Time</u>	Preventable <u>Accidents</u>
2011	55	21	83
2012	60	21	87
2013	44	28	60
2014	38	30	46
2015	54	39	50
2016	<u>26</u>	<u>31</u>	<u>62</u>
Average	46	28	65
Weight	33%	33%	33%
Exceptional	< 32 80%	< 27.2 80%	< 52 80%
Commendable	< 36 90%	< 30.5 90%	< 58.5 90%
Fully	= 40 100%	= 34 100%	= 65 100%
Minimal	> 44 110%	> 37.5 110%	> 71.5 110%
Fails	> 48 120%	> 40.8 120%	> 78 120%

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

Weighted Average Performance Goals			
	FY 2015	FY 2016	FY 2017
Exceptional Achieves	< 80%	< 80%	< 80.0%
Commendable Achieves	80.1% to 90%	80.1% to 90%	80.1% to 89.9%
Fully Achieves	90.1% to 100.0%	90.1% to 100.0%	90.1% to 100.0%
Minimal Achieves	100.1% to 119.9%	100.1% to 119.9%	100.1% to 119.9%
Fails to Achieve	> 120%	> 120%	> 120.0%

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."

	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Service Requests - MSD Assets												
Cumulative Service Requests	931	2,265	3,247	4,157	5,010	5,830	0	0	0	0	0	0
Annualized	11,172	13,590	12,988	12,472	12,023	11,660	0	0	0	0	0	0
Customers	255,292	255,292	255,426	255,050	255,649	255,650						
Percentage Free	95.6%	94.7%	94.9%	95.1%	95.3%	95.4%						
Drainage Service Requests												
Cumulative Open Requests	1,668	3,577	5,295	6,902	8,355	9,723	0	0	0	0	0	0
Cumulative Open Requests < 9 Months	1,635	3,521	5,221	6,805	8,213	9,479	0	0	0	0	0	0
Percentage	98.0%	98.4%	98.6%	98.6%	98.3%	97.5%						
Backup Service Requests												
Total Backup Requests	276	575	842	1,106	1,440	1,792	0	0	0	0	0	0
Backup Requests Responded to Within 4 Hours	272	554	817	1,068	1,379	1,694	0	0	0	0	0	0
Percentage	98.6%	96.3%	97.0%	96.6%	95.8%	94.5%						
Weighted Average	97.4%	96.5%	96.8%	96.7%	96.4%	95.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

<u>Actual</u>	<u>Service Requests</u>			<u>Drainage Requests</u>			<u>Backup Requests</u>		
	<u>Requests</u>	<u>Customers</u>	<u>1-%</u>	<u>Requests</u>	<u>< 9 Months</u>	<u>%</u>	<u>Requests</u>	<u>< 4 Hours</u>	<u>%</u>
2014	9,611	240,280	96.00%	16,644	15,252	91.64%	4,083	3,597	88.10%
2015	14,326	244,694	94.15%	16,052	14,990	93.38%	4,103	3,578	87.20%
2016	14,123	254,825	94.46%	17,384	17,132	98.55%	3,674	3,434	93.47%
Average	12,687	246,600	94.87%	16,693	15,791	94.52%	3,953	3,536	89.59%
Weight	33%			33%			33%		
Exceptional	< 98%	107%		< 98%	107%		< 96%	107%	
Commendable	< 96%	104%		< 96%	104%		< 94%	104%	
Fully	= 92%	100%		= 92%	100%		= 90%	100%	
Minimal	> 88%	96%		> 88%	96%		> 86%	96%	
Fails	> 85%	92%		> 85%	92%		> 83%	92%	

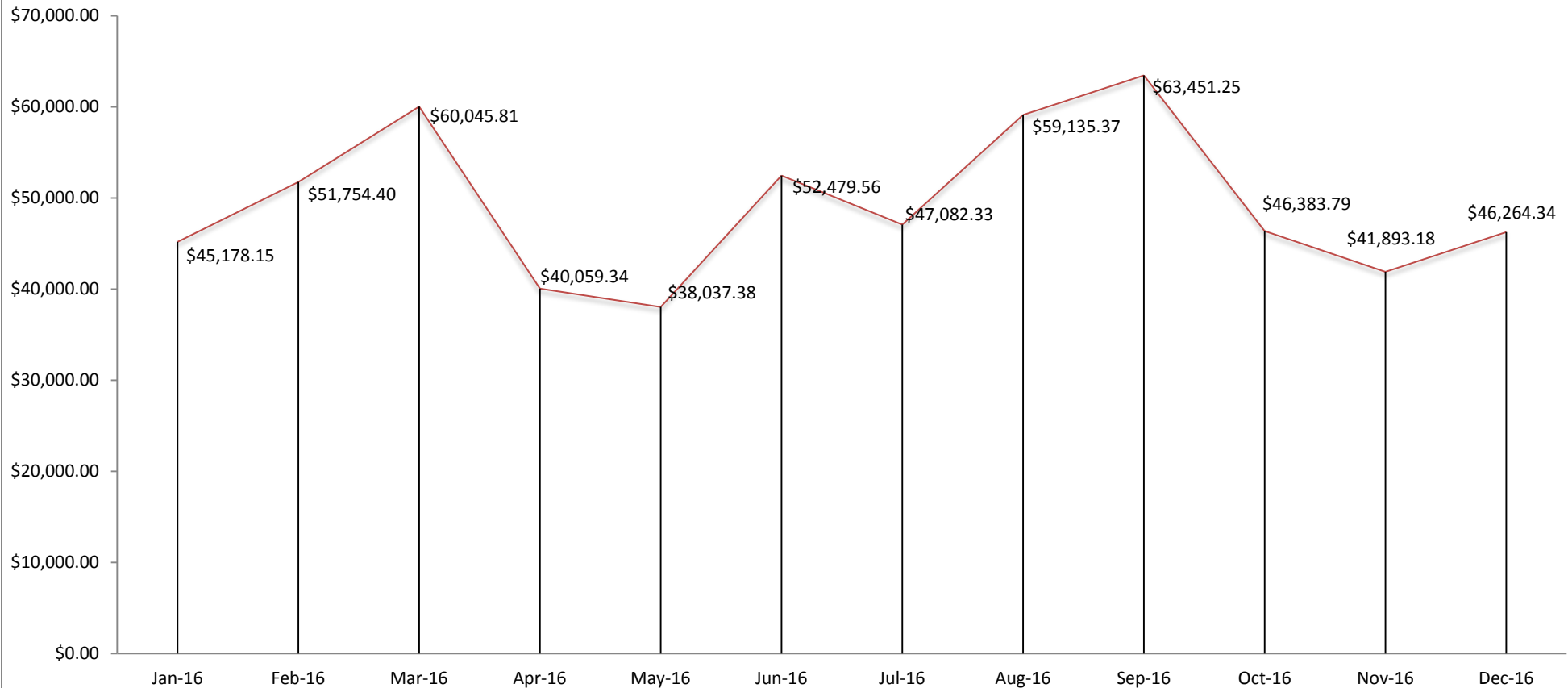
2014	91.90%	Fully Achieves
2015	91.57%	Fully Achieves
2016	95.52%	Commendable Achieves

<u>Weighted Average Performance Goals</u>		
	<u>FY 2016</u>	<u>FY 2017</u>
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: JANUARY 31, 2016 TO DECEMBER 31, 2016



P-cards issued= 110

- Total violation = 8
- Sales Tax = 2
 - Split charges = 0
 - Lack of Receipts = 0
 - Personal expense = 0
 - Late receipt = 5
 - Unauthorized purchase = 0
 - Prepay = 0
 - Substitute Receipts = 0
 - Travel Expenditures = 0
 - 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
- Regulaory & GIS = 2
 - Development = 3
 - Design & Construction = 1

Operations

- Administration = 1
- Collections Systems = 16
- Drainage & Flood Protection = 11
- Treatment Facilities (Maintenance) = 10
- Collections System (Sanitary) = 2
- Support Services = 15
- Treatment Facilities = 19
- Performance = 4

Information Technology Division

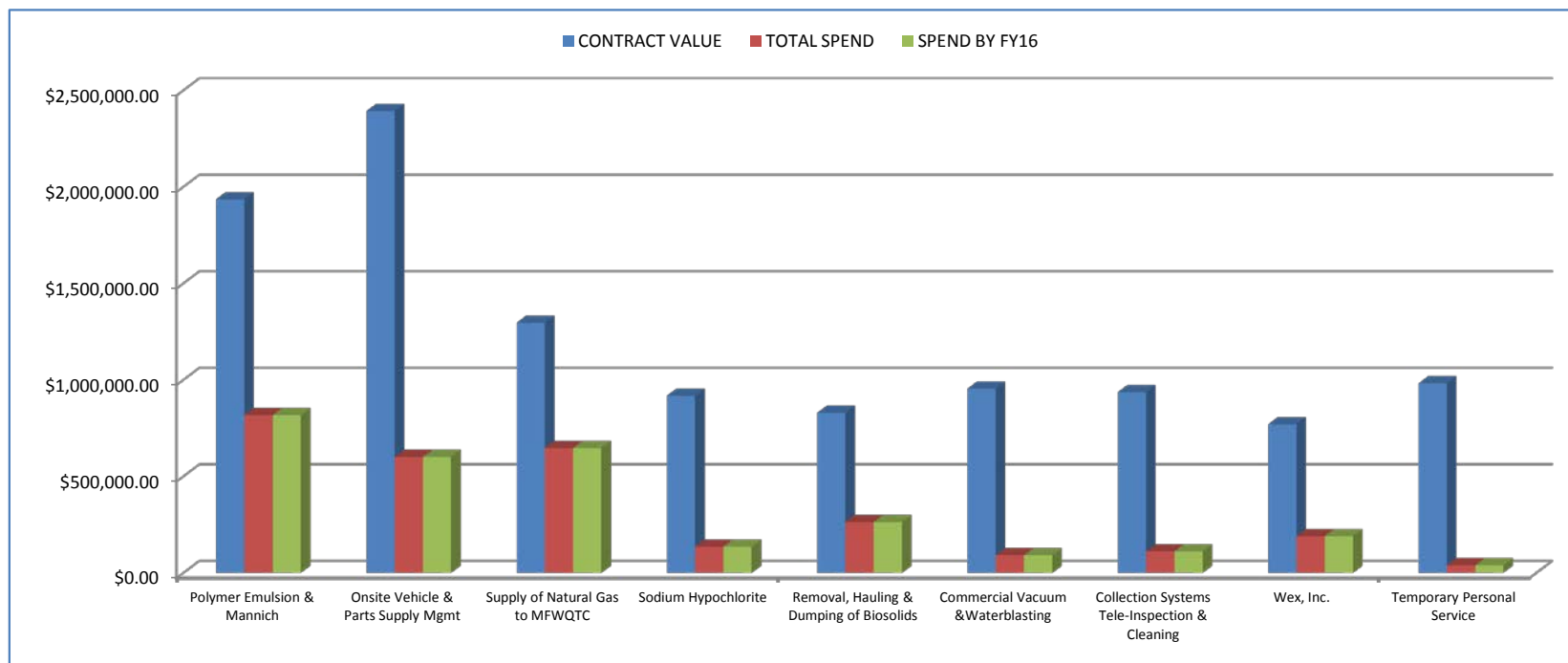
- Information Technology= 9

REPORT PREPARED BY: LeQuita Moore 1.10.17

PURCHASING TOP 10 GOODS & SERVICES CONTRACTS
TWELVE MONTH TOTAL SPEND BY PURCHASE ORDER
REVIEW PERIOD: CONTRACT EFFECTIVE DATE THROUGH 12/31/2016

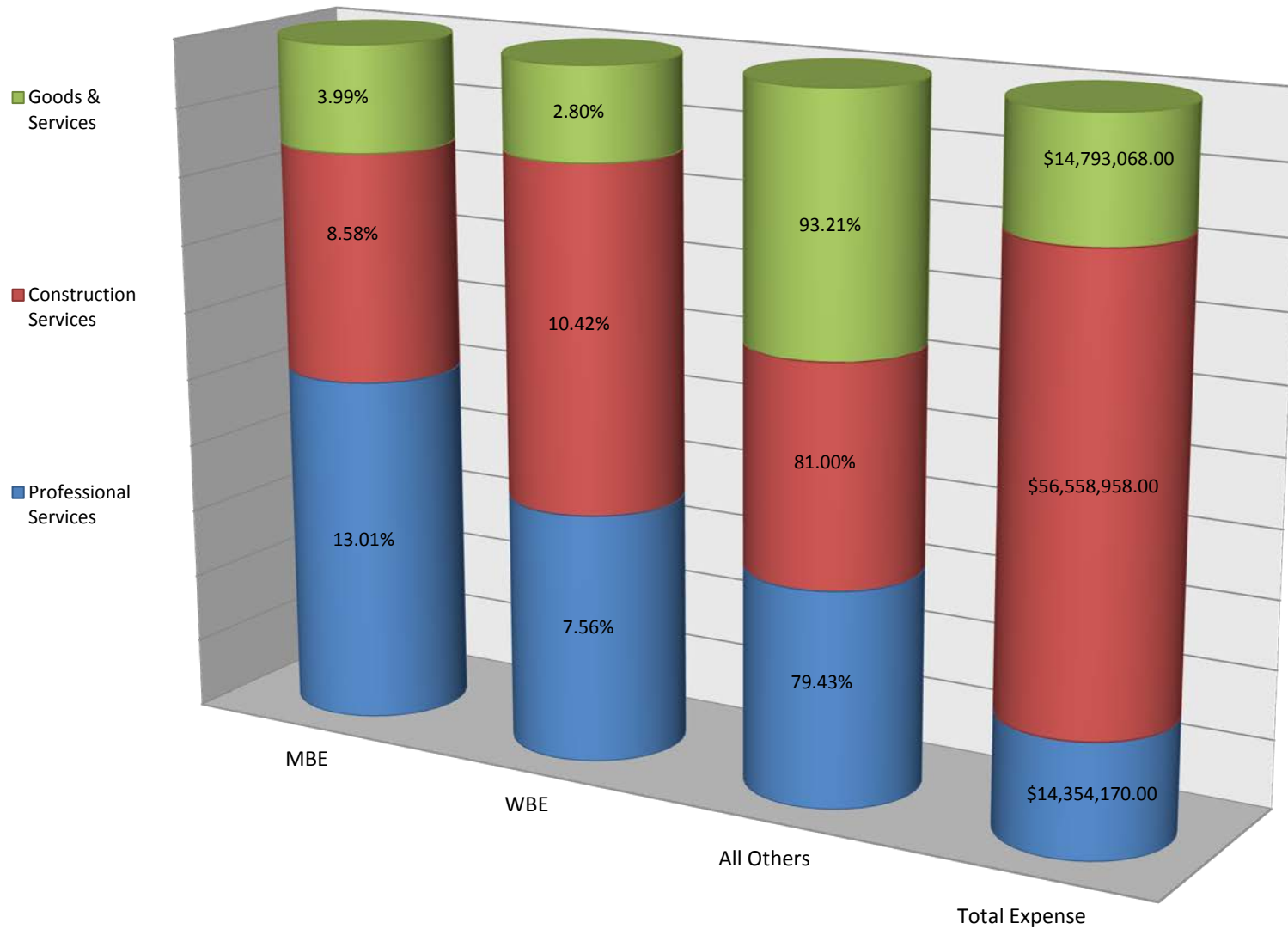
TOTAL SPEND BY CONTRACT EFFECTIVE AND EXPIRATION DATE

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 /Mannich (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	\$ 817,196.52	\$ 600,637.33	\$ 647,792.26	\$ 137,210.65	\$ 264,413.95	\$ 92,043.06	\$ 111,599.29	\$ 190,876.78	\$ 39,147.75	\$ 917,231.90
% SPEND	42.2%	25.1%	50.0%	14.9%	31.9%	9.6%	11.9%	24.8%	6.9%	85.1%
TOTAL SPEND BY FISCAL YEAR 2016										
EFFECTIVE JULY 1, 2015	\$ 817,196.52	\$ 600,637.33	\$ 647,792.26	\$ 137,210.65	\$ 264,413.95	\$ 92,043.06	\$ 111,599.29	\$ 190,876.78	\$ 39,147.75	\$ 917,231.90



Prepared by: LeQuita Moore 1/6/2017

**MBE/ WBE Expenditure Report
YTD July 1, 2016 - December 31, 2016**



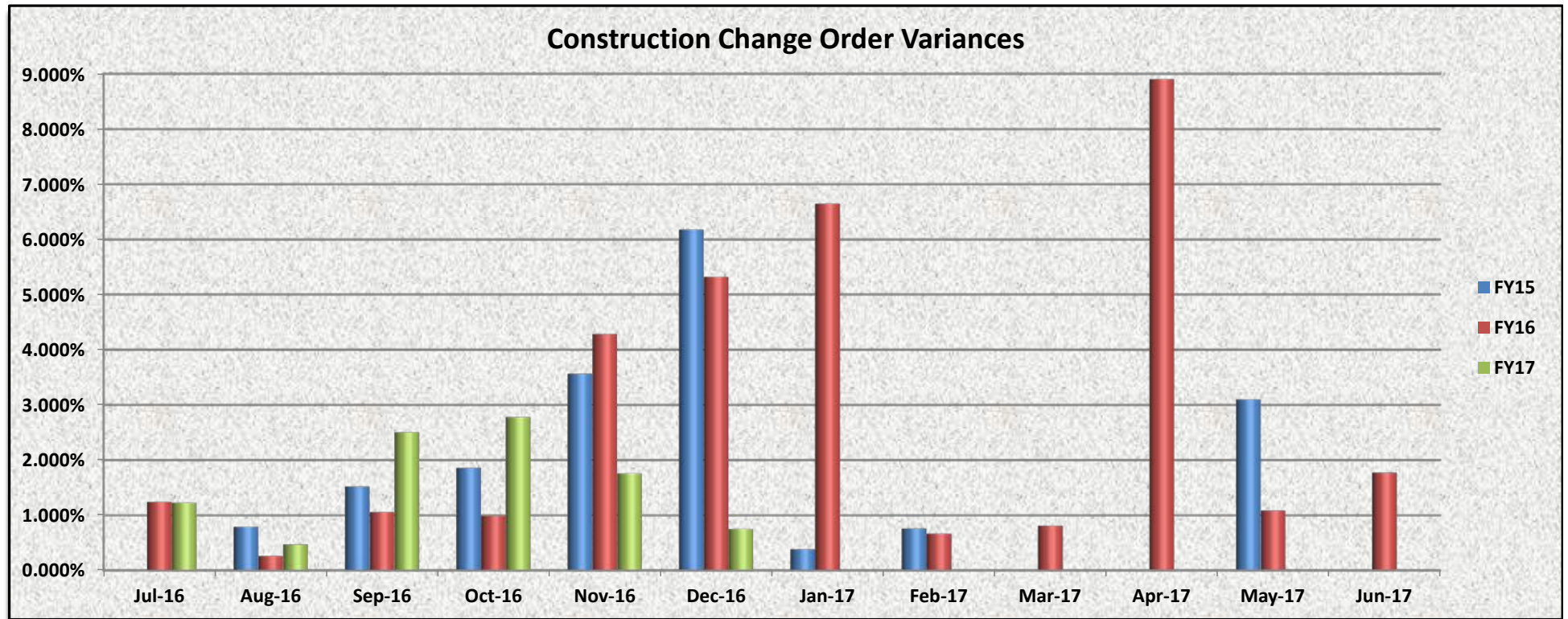
Goals for Construction & Professional Services MBE 15% - WBE 6%
Goals for Goods & Services (Purchasing) MBE 5% - WBE 3%

CHART CREATED BY: L.Moore 1/11/17

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	\$ 12,346,311.00	\$ 92,758.33	0.751%
Jan-17			
Feb-17			
Mar-17			
Apr-17			
May-17			
Jun-17			
TOTAL	\$ 237,883,038.93	\$ 4,417,759.13	1.857%

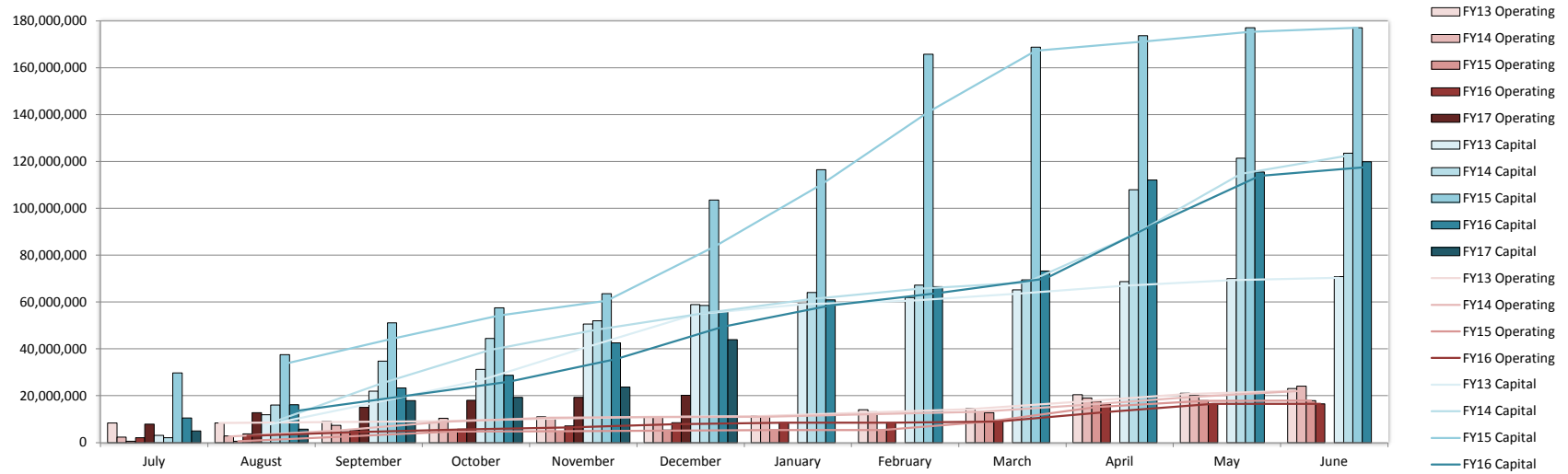


BOARD MEETING ACTIONS 12-19-16

<u>DESCRIPTION</u>	<u>DEPARTMENT</u>	<u>ACCOUNT</u>	<u>OPERATING</u>	<u>CAPITAL</u>
Arch Specialty Insurance Co & Gemini Ins Co / LAGIT	2100021 - Finance Admin	54110 - Gen Liability Ins	\$198,252	
U.S. Water Alliance / 2017 Value of Water Campaign	5110311 - Executive Offices	54250 - Contribution	\$20,000	
Ulliman Schutte Construction / Southwestern Parkway CSO Basin	H09132 - Eng Design / Construction	56216 - Construction		\$19,219,485
Allterrain Paving & Construction / 1314 Tycoon Way Drainage Improvement Proj	C16135 - Engineering	56216 - Construction		\$180,408
Allterrain Paving & Construction / 7910 Sherry Lynn Court Drainage Imp Proj	C16220 - Engineering	56216 - Construction		\$156,708
Excel Excavation / Levee Toe Drain Access Structures	F16022 - Engineering	56216 - Construction		\$591,000
Triumph Landscaping / Valleta - Denham Road Drainage Imp Project	C16119 - Engineering	56216 - Construction		\$93,200
DeBra-Kuempel / HVAC Preventative Maintenance & Repair	Operations - Various	52160 - Maint & Repairs	\$334,790	
USGS - Stream Monitoring FY17	6401111 - Eng Development	52140 - Professional Services	\$393,300	
		DECEMBER TOTALS	<u>\$946,342</u>	<u>\$20,240,801</u>
		Y-T-D TOTALS	<u>\$20,212,844</u>	<u>\$43,954,358</u>

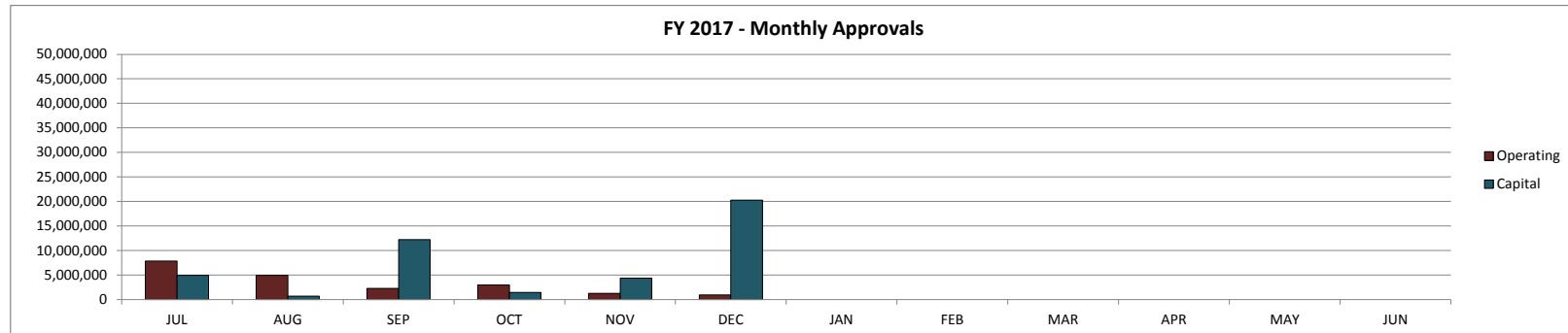
Prepared by: Patrick Meador

**Fiscal Years Comparison - YTD Approvals
FY 2013 through FY 2017**

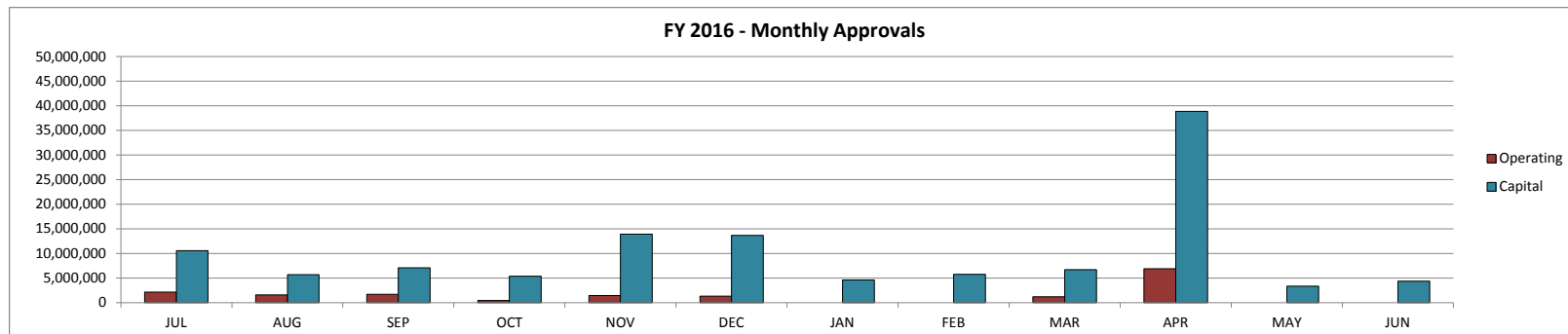


2017	July	August	September	October	November	December	January	February	March	April	May	June	Total	Percentage
Operating	7,831,807	12,753,572	15,022,531	17,990,429	19,266,502	20,212,844	0	0	0	0	0	0	20,212,844	32%
Capital	4,939,806	5,666,257	17,864,223	19,351,195	23,713,557	43,954,358	0	0	0	0	0	0	43,954,358	68%
Total	12,771,613	18,419,829	32,886,754	37,341,624	42,980,059	64,167,202	0	0	0	0	0	0	64,167,202	100%

Prepared by: Patrick Meador

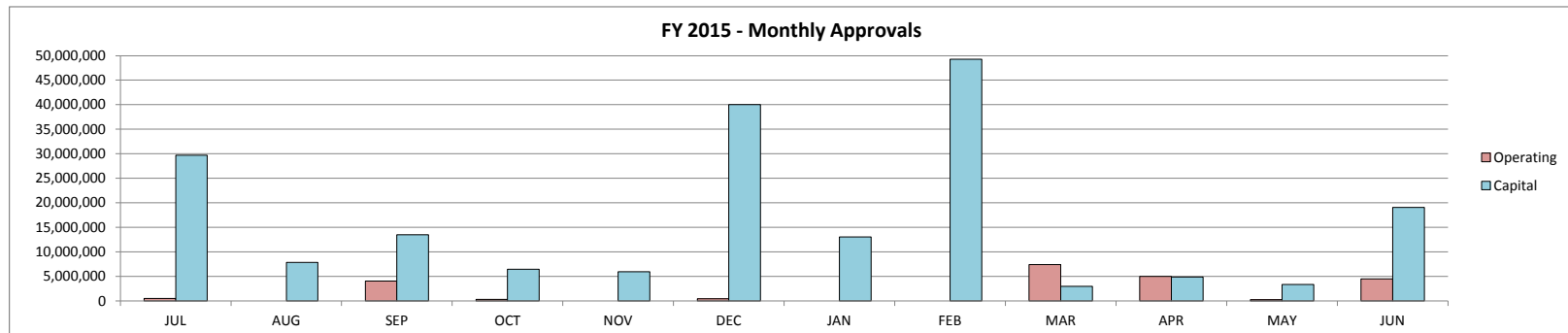


<u>2017</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>Total</u>	<u>Percentage</u>
Operating	7,831,807	4,921,765	2,268,959	2,967,898	1,276,073	946,342	0	0	0	0	0	0	20,212,844	32%
Capital	4,939,806	726,451	12,197,966	1,486,972	4,362,362	20,240,801	0	0	0	0	0	0	43,954,358	68%
Total	12,771,613	5,648,216	14,466,925	4,454,870	5,638,435	21,187,143	0	0	0	0	0	0	64,167,202	100%

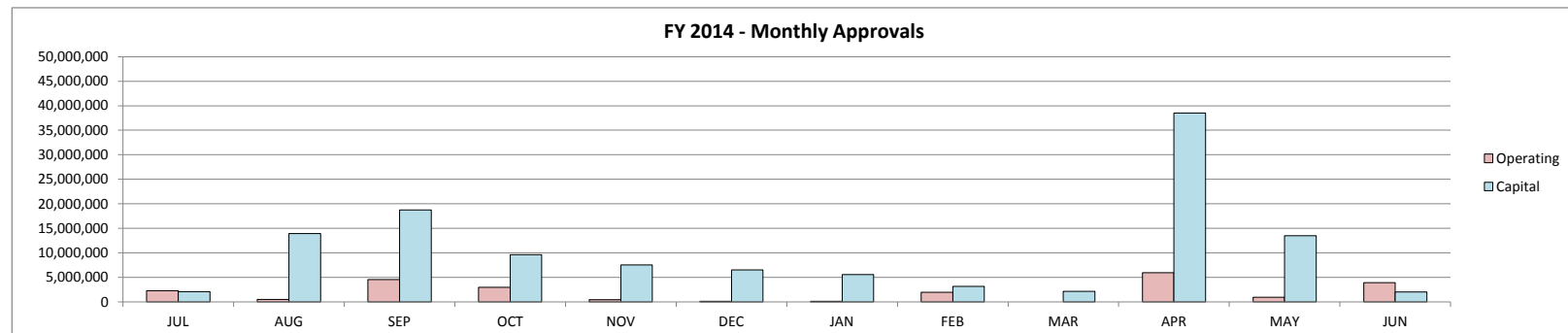


<u>2016</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>Total</u>	<u>Percentage</u>
Operating	2,106,697	1,564,811	1,670,350	400,000	1,423,300	1,296,583	0	0	1,172,755	6,861,107	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



<u>2015</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>Total</u>	<u>Percentage</u>
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%



<u>2014</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>Total</u>	<u>Percentage</u>
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



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